

# DYES & CHEMICAL MARKET

SEPTEMBER 2023

VOLUME # 41 | ISSUE # 2

MUMBAI | PAGES 80



Connecting the Chemical Industry Together!

A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

Advertise in our magazine ([Click Here](#)) | Subscribe Whatsapp version of our Magazine: ([Click Here](#))

**Master Perfumer Christophe Laudamiel Joins Osmo to Develop New Perfume Molecules and Effects via Unique AI Technologies** -Pg32

**Elkem Launches UV Hg And UV LED Curable Silicone Solutions For Sustainable Release Coatings** -Pg53

**Rising Fabric Demand Drives Adoption of Advanced Lubricants in the Knitting Industry** -Pg60



Get Access to our [LEADS Platform](#) & Post Buy enquiries

[Subscribe our magazine online](#)

by signing up at [www.chemicalmarket.net](http://www.chemicalmarket.net)

NOTE: This is an interactive PDF version. (send to customers on WhatsApp. Most of the Hyperlinks are clickable)

9<sup>TH</sup> ANNUAL CONFERENCE

Fleming

# Sales & Marketing Effectiveness in Chemicals Summit

„Reimagining the future of sales & marketing effectiveness in chemicals“

26 - 27 September 2023, Cologne, Germany

## Key Topics:

- ⚙️ Accelerating Growth in the Chemicals Industry in a Post-COVID World
- ⚙️ Delivering a Holistic Customer Experience in the Hybrid Era
- ⚙️ Maximizing the Commercial Opportunity by Differentiating your Brand and Increasing the Product Awareness
- ⚙️ Surpassing your Insight-driven KPIs to Propel your Marketing and Commercial Strategy
- ⚙️ Refining the Customer Segmentation Strategy to Hone Targeted Marketing Messages
- ⚙️ Addressing Effective Pricing Strategies in a Highly Inflationary Environment
- ⚙️ Driving Commercial Acceleration with Disruptive Strategies and Execution
- ⚙️ Driving Profitable Growth while Navigating Complexity and Disruption
- ⚙️ Aligning Traditional B2B Sales with E-Commerce
- ⚙️ Maximizing Virtual Collaboration Tools and Technology
- ⚙️ Streamlining Interconnected Workflows to Accelerate Commercial Performance
- ⚙️ Automating and Digitizing of Go-to-Market Approaches

## Why to Attend our Physical Event?

**HISTORY** - 9+ years of chemical industry events world-wide

**RELEVANCE** - Year-long event preparation in close collaboration with top-notch companies

**LOCATION** - Hosted in Cologne; the chemical industry hub in Europe

**PROVEN FORMAT** - A new kind of combination of strategic sessions, panel discussions, unrivalled practical experience, case studies...Learn from others' mistakes and get inspired by others' successes! All this makes your experience more practical and enjoyable.

**SPEAKERS** - World-class line-up featuring seasoned industry experts

**PRACTICALITY** - Sales & marketing use cases; get to know the nitty-gritty of new approaches, successes, failures and lessons learned

**INTERACTIVE ELECTRONIC POLLING & E-NETWORKING** - Easy on-line accessible networking system for on-line voting, live polling, interactive feedback & simply more fun!

Fleming

[www.fleming.events](http://www.fleming.events)































email: [event.inquiries@fleming.events](mailto:event.inquiries@fleming.events)











REGISTER ONLINE



# LIST OF ADVERTISERS

Aahan Chemiex LLP - <a href="#">Pg 6</a>	
Aadish Impex Pvt Ltd - <a href="#">Pg 12</a>	
Ashwamegh Industries - <a href="#">Pg 13</a>	
Arihant Chemical Corporation - <a href="#">Pg 12</a>	
Crystal Polychem - <a href="#">Pg 16</a>	
Chamy Engineering - <a href="#">Pg 22</a>	
Elchemy - <a href="#">Pg 15</a>	
Fortune Imex - <a href="#">Pg 21</a>	
Gayatri Enterprise - <a href="#">Pg 10</a>	
Haoda Enterprises - <a href="#">Pg 9</a>	
Hind Elastomers Pvt Ltd - <a href="#">Pg 17</a>	
Hari Krishna Laser Technology - <a href="#">Pg 17</a>	
Helix Multichem - <a href="#">Pg 16</a>	
Hir Chemicals - <a href="#">Pg 16</a>	
Inventys Research Company Pvt Ltd - <a href="#">Pg 11</a>	
Jovika Enterprise - <a href="#">Pg 21</a>	
Krishna Petrochemicals - <a href="#">Pg 17</a>	
Kalpana Chemical Industries - <a href="#">Pg 15</a>	
Krunal Chemical - <a href="#">Pg 7</a>	
KIP Chemicals - <a href="#">Pg 22</a>	
Maru Chem Industries - <a href="#">Pg 22</a>	
Nikava Pharmaceutical Industries - <a href="#">Pg 21</a>	
Om Tex Chem Pvt Ltd - <a href="#">Pg 20</a>	
Paramount Dye Chem Industries - <a href="#">Pg 17</a>	
P & C Chem Cloud - <a href="#">Pg 20</a>	
Pilot Impex - <a href="#">Pg 14</a>	
Rosefield Energy Pvt Ltd - <a href="#">Pg 20</a>	
Rajiv Enterprises - <a href="#">Pg 15</a>	
Rang Sarjan Chemicals - <a href="#">Pg 22</a>	
Real Chem - <a href="#">Pg 16</a>	

SGS & Company - <a href="#">Pg 11</a>	
Shri Mahalaxmi Sales - <a href="#">Pg 14</a>	
Shyam Enterprise - <a href="#">Pg 13</a>	
Tirupati Chemical Corporation - <a href="#">Pg 10</a>	
Vinipul Inorganics Pvt Ltd - <a href="#">Pg 20</a>	
Vasudev Enterprise - <a href="#">Pg 9</a>	
Welcome Chemicals - <a href="#">Pg 7</a>	
WhiteKems - <a href="#">Pg 15</a>	

**Sign Up for**  
**Magazine**  
**Advertisement**  
**and create your**  
**Chemical Market**  
**Leads Platform**  
**to reach out to your**  
**target audience**  
**worldwide in the**  
**Chemical Industry**

New advertisers will be added here as and when the profile page is ready for the customers on Chemical Market Leads Platform (click here) Click on the company to view the company profile



# Free Service to Subscribers - Subscribe Today

## Dyes **Chemical Market**

(A Monthly Magazine)

### Subscription Order Form

To,

Mr. Rajiv Parikh

DCM Media Private Limited

513 Lotus Business Park, Ram Baug,

Chincholi, Off S.V. Road,

Malad West, Mumbai 400064

Phone: +91-877-9830330 / 91-98196-44048

Email: [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

Dear Sir,

Please send us the magazine "Dyes & Chemical Market" regularly for one/two/three year(s) to the email address given below.

We are sending/enclosed the amount of Rupees \_\_\_\_\_ by PayTM/UPI/Cheque/Cash with the subscription form.

I want to opt for WhatsApp service as well. (Please add at least 3 email addresses/ whatsapp numbers)

**CHEMICAL  
MARKET**

Dcm Media Private  
Limited

**paytm**

Accepted Here



paytm से UPI



Sr. No	Email Address	WhatsApp#

Thanking you,

Yours faithfully,

**Period:**

**M/s.**

**Address:**

**Phone:**

**Mobile:**

**Email:**

**Note :** If you do not get our magazine online or on whatsapp for continuous 2 months, please inform us at the earliest, so necessary action can be taken. We will not be able to do anything if, after a year, you let us know that you are not receiving our magazine.



## FREE SERVICES TO SUBSCRIBERS

Subscribers may send their enquiries for purchase of chemicals, machinery raw materials, technical know-how and employment related (jobs) to be published free of charge in Chemical Market magazine.

You can also post your purchase and sales enquiries on our website at [www.chemicalmarket.net](http://www.chemicalmarket.net)

All Enquiries are free except BOX NUMBER ENQUIRIES. They will be charged Rs. 500/- per insertion to be paid in advance along with enquiry. Box Number means that the enquiries will be made to us to our postal address and/or our email address and thus hiding your identity for business purposes.

**Contact:** [info@chemicalmarket.net](mailto:info@chemicalmarket.net) or visit us at [www.chemicalmarket.net](http://www.chemicalmarket.net)



<b>CpH - Informa Group</b>			
<b>No</b>	<b>Exhibitions</b>	<b>Date</b>	<b>Place</b>
1	<a href="#">CpH North America</a>	May 7-9, 2024	Pennsylvania Convention Center, Philadelphia
2	<a href="#">CpH Barcelona</a>	Oct 24-26, 2023	Fira Barcelona Gran Via, Spain
3	<a href="#">CpH Middle East &amp; Africa</a>	Jan 15-17, 2024	Riyadh, Saudi Arabia
4	<a href="#">CpH China- Virtual CpH</a>	June 19-21, 2024	Shanghai, China
5	<a href="#">CpH Japan</a>	Apr 17-19, 2024	Tokyo, Japan
6	<a href="#">CpH Korea</a>	30 Aug - 1 Sept, 2023	COEX, Seoul, Korea
7	<a href="#">CpH India</a>	Nov 28-30, 2023	Noida, India
<b>MECS (Coating Show)</b>			
1	<a href="#">Asia Pacific Coatings Show</a>	Sept 06-08, 2023	Bankok, Thailand
2	<a href="#">Saudi Arabia Coatings Show</a>	2025	Dammam Saudi Arabia
3	<a href="#">Middle East Coatings Show</a>	April 15-17, 2024	Dubai World Trade Centre
4	<a href="#">Coatings For Africa 2024</a>	June 19-21, 2024	Johannesburg, South Africa
<b>DYE+CHEM</b>			
1	Dye+Chem Morocco International Expo	TBD	Morocco
2	Dye+Chem Sri Lanka International Expo	TBD	Colombo Sri Lanka
3	<a href="#">Dye+Chem Bangladesh International Expo</a>	Sept 13-16 2023	Bangladesh
4	<a href="#">Dye+Chem Brazil International Expo</a>	TBD	Brazil
<b>Red Carpet Events</b>			
1	5th Bangladesh Int'l Dyes, Pigments and Chemicals Expo	Oct 26-28, 2023	Dhaka, Bangladesh
<b>Turkey (Arkim Group)</b>			
1	<a href="#">InterDye Textile Printing Eurasia</a>	Nov 27-29 2024	Istanbul, Turkey
2	<a href="#">Paint Istanbul TURKCOAT</a>	May 8-10, 2024	Istanbul
3	Paint Expo Eurasia	Apr 09-12, 2024	Istanbul
<b>Other Exhibitions</b>			
1	<a href="#">Paint India</a>	Feb 22-24, 2024	Bombay Exhibition Centre, Mumbai
2	<a href="#">Expo Paint and Coating</a>	Jan 17-19, 2024	Dhaka, Bangladesh
3	CIPI	TBD	Mumbai, India
4	<a href="#">Chemspec Europe</a>	May 24-25, 2023	Messe Basel, Switzerland
5	<a href="#">ChemUK Expo</a>	May 15-16, 2024	NEC, Birmingham, UK
6	American Coatings Show	April 30-2 May 2024	Indianapolis
7	<a href="#">China Coat China</a>	Dec 2024	China Import and Export Fair Complex, Guangzhou
8	Interdye China	2024	Shanghai, China
9	<a href="#">Paint Expo Germany</a>	Apr 09-12, 2024	Messe Karlsruhe Germany
10	<a href="#">India Chem 2023</a>	TBD	Pragati Maidan, New Delhi
11	<a href="#">9th Annual Sales &amp; Marketing Effectiveness in Chemicals Summit</a>	Sep 26- 27, 2023	Cologne, Germany
12	<a href="#">Inacoating 2023</a>	Aug 23-25, 2023	JlExpo Kemayoran, Jakarta - Indonesia



# AAHAN CHEMIEX LLP



**Anal Patel**

**M : +91-98254 50803**

**We are Manufacturing Textile, Paper and Home Cleaning Products**

## **TEXTILE CHEMICALS**

- Dye Fixing Agent • T R Oil • Antifoam Agent • Wetting Agent
- Optical Whitening Agent • Mercerizing Agent • Leveling Agent
- Soaping Agent • Silicone Emulsion • Anti Dusting Agent • Calsonil Oil

## **HOME CLEANING PRODUCTS**

- Liquid Detergent • Hand Wash • Dish Wash • Toilet Cleaner
- Glass Cleaner • All Purpose Cleaner • Car Polish
- Tyre Polish • Car Shampoo

## **PAPER CHEMICAL**

- Silicone Defoamer • Non Silicone Defoamer • Sizing Chemical

**We are Manufacturing Concentrate Dish Wash, Liquid Detergent, Hand Wash, Floor Cleaner, White & Black Phenyle. You Will Be Dilute it 4 To 20 Times as per Product.**

**Add.: 12/2, Shakriba Estate, B/h. Phase IV, Water Tank, GIDC,  
Vatva, Ahmedabad-382445, Gujarat, India.**

**Tel : +079-4604 4638**

**Email : aahanchemiex@gmail.com • Web : www.aahanchem.com**



# KRUNAL CHEMICAL

Dealers & Stockist in Chemicals & Solvents

**We are manufacturer of :**

- Ammonium Aluminium Sulphate
- Potassium Aluminium Sulphate / Potash Alum
- Sodium Aluminate
- Alum - Lumps & Powder

**We are Supplier of :**

- Barium Hydroxide
- Barium Sulphate
- Potassium Meta Bi Sulphite
- Sodium Meta Bi Sulphite (Thailand & India Make)
- Sodium Hydroxide Lye
- Ammonium Chloride - By Product and Pure
- Potassium Chloride (KCL) By Product and Pure
- Copper magnesium Dioxide - By Product
- Copper Ash - By Product



**KRUNAL GOR**

**+91-9768552507**

B-48/102, Anand Nagar, Dahisar (East) Mumbai- 400068.

Email : [krunalchems@gmail.com](mailto:krunalchems@gmail.com) • Tel: 2848 2251



## WELCOME CHEMICALS

**MINERALS • CHEMICALS • PIGMENTS • FERRO ALLOYS**

- ALUMINIUM SILICATE, ALUMINIUM OXIDE, ALUMINIUM STEARATE. ATH BARYTES
- BARIUM SULPHATE PPT, BENTONITE
- CALCINED ALUMINA, CHINACLAY, CALCITE, CALCIUM CARBONATE, CALCIUM STEARATE
- DOLOMITE, DIATOMACEOUS EARTH
- FELDSPAR, FERRO MANGANESE
- GRAPHITE
- HYDRATED LIME
- KAOLIN
- MAGNESIUM OXIDE, MANGANESE DIOXIDE, MICA, MAGNESIUM STEARATE
- POTASSIUM SILICATE LIQUID/POWDER
- QUARTZ SAND-ALL SIZE
- RED OXIDE NATURAL/SYNTHETIC
- SILICA POWDER/SAND, SODIUM SILICATE LIQUID/POWDER • SILICON DEFOAMER
- VERMICULITE EXFOLIATED
- YELLOW OXIDE NATURAL/SYNTHETIC
- ZEOLITE NATURAL, ZINC BORATE, ZINC OXIDE, ZINC PHOSPHATE, ZIRCON SAND, ZINC STEARATE

K-003, Sonam Sneh CHS Ltd., Golden Nest Phase I, Mira Bhayander Road, Mira Road (E), Thane - 401107.

Email: [welcomechemicals@yahoo.co.in](mailto:welcomechemicals@yahoo.co.in)

Website:- [www.welcomechemicals.in](http://www.welcomechemicals.in)

Contact: [9920284706/8108446677](tel:9920284706/8108446677)



### Magazine Advertisement Tariffs (India)

Ad	Size	Booking 12 Issues (1 yr.)	Booking 24 Issues (2 yrs.)
QUARTER PAGE	9.75 cm (W) x 12.5cm (H)	₹4800 per issue	₹4000 per issue
HALF PAGE	19.5 cm (W) x 12.5cm (H)	₹7680 per issue	₹6400 per issue
FULL PAGE (inner)	19.5 cm (W) x 25cm (H)	₹14400 per issue	₹12000 per issue
FRONT 2 <sup>nd</sup> PAGE	19.5 cm (W) x 25cm (H) (BLEED 1 CM ALL SIDES)	₹19200 per issue	₹16000 per issue
FRONT 1 <sup>st</sup> PAGE	19.5 cm (W) x 25cm (H) (BLEED 1 CM ALL SIDES)	₹24000 per issue	₹20000 per issue
FRONT COVER PAGE	21 cm (W) x 21 cm (H) (BLEED 1 CM ALL SIDES)	₹28800 per issue	₹24000 per issue

### Magazine Advertisement Tariffs (International)

Ad	Size	Booking 12 Issues (1 yr.)	Booking 24 Issues (2 yrs.)
QUARTER PAGE	9.75 cm (W) x 12.5cm (H)	\$60 per issue	\$50 per issue
HALF PAGE	19.5 cm (W) x 12.5cm (H)	\$96 per issue	\$80 per issue
FULL PAGE (inner)	19.5 cm (W) x 25cm (H)	\$180 per issue	\$150 per issue
FRONT 2 <sup>nd</sup> PAGE	19.5 cm (W) x 25cm (H) (BLEED 1 CM ALL SIDES)	\$240 per issue	\$200 per issue
FRONT 1 <sup>st</sup> PAGE	19.5 cm (W) x 25cm (H) (BLEED 1 CM ALL SIDES)	\$300 per issue	\$250 per issue
FRONT COVER PAGE	21 cm (W) x 21 cm (H) (BLEED 1 CM ALL SIDES)	\$360 per issue	\$300 per issue

- Magazine is in full colour and only available on Web / Email / WhatsApp / Online more only.

- All Payments to be done online via NEFT/PAYTM or DCM Media generated RAZORPAY link only.

- To avail GST credit, please send us your GST Number and State of GST Registration.

- Tax invoice will be delivered via email only after 100% payment is realized. Payment receipt will be issued on Partial Payments made. All Payments via NEFT should go to the following :

Account Name:	<b>DCM Media Private Limited</b>
Account Number:	<b>6986 0560 0209</b>
IFSC Code:	<b>ICIC0006986</b>
Name of Bank:	<b>ICICI Bank</b>
Bank Address:	<b>Malad West, Mumbai</b>
PAN Number:	<b>AAGCD1596F</b>

**Thank you for your business!**

Last Modified: April 2022





- Bis(2-Chloroethyl)Amine Hydrochloride  
CAS NO:- 821-48-7
- 2-Dimethylaminoethyl Chloride Hydrochloride  
CAS NO:- 4584-46-7
- Diethylaminoethyl Chloride Hydrochloride  
CAS NO:- 869-24-9
- 2-(Diisopropylamino) Ethyl Chloride Hydrochloride  
CAS NO:- 4261-68-1
- 2-Chloroethylamine Hydrochloride  
CAS NO:- 870-24 6
- Isobutyryl Chloride  
CAS NO:- 79-30-1
- 4-chloro Butrylchloride  
CAS NO:- 4635-59-0
- R(-)-3-Carbomylmehltly-5-Methyl Hexanoic Acid  
(RCMH) CAS NO:- 181289-33-8



# VASUDEV ENTERPRISE

2nd Floor, 70, Kolivad Faliyu, Puna Bombay Market Road, Punagam, Surat, Gujarat - 395010.  
Mobile: [7265908722](tel:7265908722) • Email:- [vasudevchemicalindustries@gmail.com](mailto:vasudevchemicalindustries@gmail.com)

Kishore Kumar

Whatsapp: [+86 133 6141 1987](tel:+8613361411987)

## Haoda Enterprises

Product Origin : CHINA  
In partnership with Zhejiang Sino Trust Chemical Co. Ltd

### ORGANIC INTERMEDIATE

1. Adamantane	CAS RN. 281-23-2	8. Aluminium chloride	CAS RN.7446-70-0
2. Adamantanamine hydrochloride	CAS RN. 665-66-7	9. Chlorinated Paraffin-52	CAS NO. 106232-86-4
3. Benzoyl chloride	CAS RN. 98-88-4	10. Chlorinated Paraffin-70	CAS RN.106232-86-4
4. Benzotrichloride	CAS RN.98-07-7	11. Sodium hypochlorite	CAS RN.7681-52-9
5. Chloroethylene carbonate	CAS RN.3967-54-2	12. Methyl methacrylate	CAS RN.80-62-6
6. Dichloromethane	CAS RN. 75-09-2	13. Methacrylic acid	CAS RN.79-49-4
7. Aniline	CAS RN.62-53-3	14. Diethyl oxalate	CAS RN.95-92-1

177, Shop No.3, Haoda Enterprises, Near MK Hospital,  
St. Michal Church Building, Ground Floor,  
Strahans Road, Pattalam, Chennai, 600012.  
Phone / Whatsapp : [+91 90735 89301](tel:+919073589301)

Web : [www.sns-chemical.com](http://www.sns-chemical.com) / [www.haodaenterprises.tradeindia.com](http://www.haodaenterprises.tradeindia.com)



# GAYATRI ENTERPRISE

Dealers in : Wax-Metalic Stearate-Fatty Acid

- **STEARIC ACID**  
Cosmetic Grade /Plastic Grade / Rubber Grade /  
Textile Grade
- **PALM WAX (HTO)**
- **HYDROCARBON WAX (H.C.WAX)**
- **FATTY ALCOHOL PITCH**
- **VEGETABLE WAX (SLAB FORM)**
- **ALL STEARATE**  
ZINC STEARATE/ CALCIUM STEARATE/  
ALUMINIUM STEARATE / SODIUM STEARATE
- **RICE BRAN FATTY ACID (RBFA)**
- **SILICONE EMULSION**
- **RESIDUE WAX**
- **PARAFFIN WAX - Semi Refined Paraffin Wax /  
Fully Refined Paraffin Wax**
- **OLEIC ACID**
- **POLYETHYLEN WAX (PE WAX)**
- **SLACK WAX**
- **TOLUENE**
- **BITUMEN**
- **ONE PACK ALL TYPE**
- **HYDROGENATED CASTOR OIL (HCO)**
- **RUBBER PROCESS OIL**



Anil Mehta

103, Rajasthan Industrial Estate,  
Patanwala Compound, L.B.S. Marg,  
Ghatkopar (West) Mumbai - 400 086.

Email:- [gayatriwax@gmail.com](mailto:gayatriwax@gmail.com)Mobile:- [9320529036](tel:9320529036) / [7666529036](tel:7666529036)Phone:- [022 35674354](tel:02235674354)**OUR ASSOCIATE PARTNER****M/S GRASIM IND. LTD**

• Bleaching Powder (Vikram Brand) • Aluminium Chloride • Sodium Sulphate • Bleaching Granules (Ransa) • Caustic Flacks &amp; Lye • PAC (Powder &amp; Liq.)

**M/S MAGNESIA CHEMICAL LLP** • POTASSIUM PERMANGANATE (KMNO4) All Grade**OUR MANUFACTURING PRODUCTS****Phosphate Range Products**• MSP • DSP & TSP (Anhydrous & Crystal)  
TPP • SAPP MAP • DPP TPPP • DAP • TSPP & MPP**Precipitated Silica Powder**

• All Grade

**Textile Chemicals of Commercial Grade**

• Tartaric Acid • Citric Acid • Oxalic Acid

**OUR OWN IMPORT PRODUCTS**

• EDTA Di/Tetra &amp; Acid • Sodium Gluconate • Xanthum Gum • Sodium Percarbonate Coated Granules &amp; Tablets • Citric Acid Mono / Anhydrous China Make

**Solvents**

• Meg • DMF • Toluene • Acetone • N-Hexane • Ethyl Acetate • IPA

**Acid**• Acetic Acid- Imported & GNFC • Formic Acid 85%-Gnfc • HCL • Sulphuric Acid 98%  
• Sulphamic Acid • Phosphoric Acid**MORE PRODUCTS FOR ETP**• Technical Urea • Aluminium Sulphate (Ferric & Non-Ferric) • Ferric Chloride Powder  
• Sodium Hypochlorite (Hypo) • Lime • Anti-Scaling Agent  
• Bleaching Powder – GACL Make • Poly Electrolyte**OTHER PRODUCTS**• Sodium Bi Carbonate • Soda Ash • DCP- Feed Grade • Sodium Acetate  
Trihydrate & Anhydrous • Sodium Nitrite & Nitrate • BKC 50% & 80%  
• Calcium Carbonate (Lime Stone)**GACL Products**• Bleaching Powder • HP (Hydrogen Peroxide) • Caustic  
Potash • Caustic Prills • Potassium Carbonate Granules & Powder  
• PAC Powder & Liquid

Office : 102, Jay Sagar Complex, B/h. Sub Jail,  
Khatodra, Ring Road, Surat, Gujarat-395002. O : [9313698897](tel:9313698897)  
E-mail : [tcc2010@yahoo.com](mailto:tcc2010@yahoo.com) / [info@tirupatichemicalcorp.com](mailto:info@tirupatichemicalcorp.com)  
Web : <http://tirupatichemicalcorp.com>

# TIRUPATI CHEMICAL CORPORATION

Leading Chemical Manufacturer &amp; Exporter

Gopal Kapadia - [9825123618](tel:9825123618)

Ware House :

P. No.: 209, Road No. 2, Near Ice Factory,  
GIDC, Sachin - 394230



**Mr. Sanjay**  
Managing Director  
M : [9727710583](tel:9727710583)

## SGS & COMPANY

Authorised Dealers of :  
Reliance Industries Ltd. for Glycols

A2/57, Shreeji Villa Duplex-1, Near Vaikunth-2,  
New Vip Road, Sayajipura,  
Baroda-390018, Gujarat, India.  
Mobile : [9924404303](tel:9924404303)

Email: [sales@sgscompany.in](mailto:sales@sgscompany.in)  
[marketing@sgscompany.in](mailto:marketing@sgscompany.in)  
Website: [www.sgscompany.in](http://www.sgscompany.in)

Di Ethylene Glycol (DEG) • Mono Ethylene Glycol (MEG) • Tri Ethylene Glycol (TEG) • Glacial Acetic Acid • Formic Acid 85 % • Ethyl Acetate • Tech Grade Urea • TDI: Toluene Di Isosynate

Sodium Sulphite 95% • Sodium MetaBisulphite (SMBS) 62%, 64% • Sodium Bisulphite 62% • Sodium Nitrate

Acrylic Acid • Boric Acid • Lithium Carbonate (Technical Grade/ Pure Grade) • Ammonium Bifluoride (Technical grade) • Benzylidene (Benzal) Acetone • Benzaldehyde • Formaldehyde 37 % • Copper Sulphate (24%, 24.5%, 25%) Powder • Zinc Oxide 99%

Ammonium Sulphite Solution • Ammonium BiSulphite Solution • Ammonium Thiosulphate Solution • Potassium Sulphite Solution

Potassium Bisulphite Solution • Potassium Thiosulphate Solution • Potassium Metabisulphite (Tech/Pure Grade)



### Custom Manufacturing

Inventys offers customized development & manufacturing services for Crop Protection, Pharma & Specialities. We have state-of-the-art competence in process R&D and small to medium scale manufacturing conforming from ISO up to GMP standards.



Active Pharmaceutical Ingredients (API)

Registered Starting Materials

Advanced Intermediates

Active Ingredients

Crop Protection Intermediates

Specialities

### PRODUCTS

### CAS

• 3-Ethyl-4-methyl-3-pyrrolin-2-one [EMPO]	766-36-9
• Acetonitrile	75-05-8
• 4-Fluorophenol	371-41-5
• Benzethonium Chloride (BTC)	121-54-0
• 2-Amino-5-chlorobenzoic Acid [ACBA]	635-21-2
• Decanenitrile (DCN)	1975-78-6
• 5-Methyl 5-Phenyl Hydantoin [MPH]	6843-49-8
• 3,4-Dimethylpyrazole [DMP]	2820-37-3
• 3,4-Dimethylpyrazole Phosphate	202842-98-6
• Sucralfate	54182-58-0
• Isatoic Anhydride	118-48-9
• 3-Chloroaniline [MCA]	108-42-9
• 5-Chloro Thiophene-2-Carboxylic Acid [5CTA]	24065-33-6
• 2,6-Dimethyl-1-Indanone	66309-83-9
• 2-Amino-4-methoxy-6-methyl-1,3,5-triazine [AMT]	1668-54-8
• Di-Bromo-5-Methyl 5-Phenyl Hydantoin [DBH]	
• 5-tert-Butyl-m-Xylene	98-19-1
• 1-Chlor-2-methoxynaphthalene	13101-92-3
• 2-Bromo-6-methoxynaphthalene	5111-65-9

## INVENTYS RESEARCH COMPANY PVT. LTD.

Kanakia Zillion, Near Kurla Bus Depot, Kurla (W), Mumbai-400 070, INDIA.

Phone : +91-22-71400200 • Fax : +91-22-71400299 • Email : [genq@inventys.in](mailto:genq@inventys.in)



# Aadish Impex Pvt. Ltd.

- Speciality Chemicals
- $\gamma$ -Butyrolactone
- N-Acetyl-L-cysteine
- Ethylenediamine Diacetate
- Lab Chemicals
- 2-Ethylhexanol
- Cholesterol
- Decanol

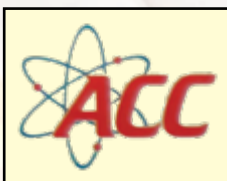


Cell : [+91 7710067023](tel:+917710067023)

Web : [www.aadishimpex.com](http://www.aadishimpex.com)

E-mail : [aadish@aadishimpex.com](mailto:aadish@aadishimpex.com)

GNP Solitaire Industrial Estate,  
Unit No. 12, First Floor,  
MIDC, Dombivli - 421203,  
Maharashtra, India



## ARIHANT CHEMICAL CORPORATION

IMPORTERS, SUPPLIERS & STOCKISTS OF :  
CHEMICALS, SOLVENTS, SPECIALITY & INTERMEDIATES

### SOLVENTS PURE AND DISTILLED

- |                          |                                   |
|--------------------------|-----------------------------------|
| • Acetonitrile           | • Di Methyl Acetamide             |
| • Tetra Hydro Furan      | • 2 Methyl THF                    |
| • N-Methyl 2 Pyrrolidone | • N Propanol                      |
| • Iso Propanol           | • Propylene Glycol Shell USP      |
| • Acetone                | • Citric Acid Mono                |
| • Di Methyl Formamide    | • Citric Acid Anhydrous           |
| • Pyridine               | • Caustic Soda Flakes             |
| • N Propanol             | • Calcium Chloride Lumps / Powder |

B/802, Dhanashree Heights, Above Pobo Chemist,  
Veera Desai Road, Andheri (W), Mumbai - 400 053.

Tel.: [+91 22 4005 9278](tel:+912240059278), [4973 9184](tel:+912249739184) M : [98200 76437](tel:+91229820076437)

Email : [info@arihantchemicalcorp.com](mailto:info@arihantchemicalcorp.com)





# SHYAM ENTERPRISE

**DIVYANG SHAH**

7778814849

9924939549

**GST NO : 24CQKPS9695H2ZW**

## WHOLE SALE AND TRADING IN INDUSTRIAL CHEMICALS

WE DEAL IN :

- Phosphoric Acid
- Potassium Chloride
- Sodium Sulphate
- Ammonium Sulphate
- Caustic Soda, Solvents
- Magnesium Chloride etc

D-112, Sagar Apartment,  
Rupapura, Ganesh Chowkdi,  
Anand - 388001 Gujarat.

[shyamenterpri0909@gmail.com](mailto:shyamenterpri0909@gmail.com)  
[shyamenterpripdf@gmail.com](mailto:shyamenterpripdf@gmail.com)

## Ashwamegh Industries

- Manufacturing
- Trading
- Supplying
- Sodium Monochloro Acetate
- Carboxymethyl Cellulose
- Zinc EDTA
- Importing and Exporting an excellent range of Monochloroacetic Acid
- EDTA Disodium Salt
- Soda Ash
- Nitrilotriacetic Acid etc.

**Ashwin Shete**  
Proprietor

Email: [info@ashwameghgroup.co.in](mailto:info@ashwameghgroup.co.in)  
[ashwamegh.industries2015@gmail.com](mailto:ashwamegh.industries2015@gmail.com)  
[www.ashwameghgroup.co.in](http://www.ashwameghgroup.co.in)

- Poly Aluminium Calorie Powder
- Scale Cleaner
- EDTA Di Sodium
- EDTA Tetra Sodium
- EDTA
- Zinc EDTA
- FE EDTA



578/2, Near Shiddhpura Estate, Phase 4,  
Vatva, G. I. D. C., Ahmedabad - 382449,  
Gujarat, India.

Mobile : [+91-97255 89555](tel:+91-9725589555) / [+91-88496 10602](tel:+91-8849610602)



**Textile Chemical**

- Maize Starch powder
- Guar gum powder
- Tamarind Powder

- Synthetic Sofner
- Binders
- M Tello reples Sofner
- Antitetik oils
- Zinc chloride

- Synthetic iron oxide
  - Black
  - Red
  - Yellow
- Laquer coting
- Hardner

# Shri Mahalaxmi Sales

**Suppliers of Textile & Construction Chemicals**

**GST No:  
27ANOPM3861G1ZN**

**30/163, Siddhivinayak Colony, Dhule Road, Amalner - 425401 Dist. Jalgaon  
Mobile:- [9518781965](tel:9518781965) / [9823250017](tel:9823250017). Email: [thakurmakwana@gmail.com](mailto:thakurmakwana@gmail.com)**

**Tejas Turakhia**

## PILOT IMPEX

Dealing In : Chemicals & Acid  
PILOT IMPEX is a dealer of: GACL, GNFC, Grasim, & Universal.

**Caustic Soda**

- Caustic Soda Flakes / Lye / Prills

**Caustic Potash**

- Caustic Potash Flakes / Lye
- Potassium Carbonate

**Benzyl**

- Benzyl Chloride / Alcohol
- Benzaldehyde

**Chloromethane**

- Methylene Chloride(MDC)
- Chloroform

**Hydrogen Peroxide**

- Hydrogen Peroxide

**Chloride**

- Aluminium Chloride
- Poly Aluminium Chloride

Pilot House, Behind Trident Complex, Race Course Circle, Vadodara, Gujarat - 390023 Mobile:- [8460740387](tel:8460740387)  
Email:- [pilotgroup.inquiry@gmail.com](mailto:pilotgroup.inquiry@gmail.com)  
Website:- [www.pilotgroup.co.in](http://www.pilotgroup.co.in)



Take Your **CHEMICAL BUSINESS** To The Right Poepel



info@chemicalmarket.net +91 87798 30330 www.chemicalmarket.net



**G. PREM**  
M : [98400 86649](tel:9840086649)  
[rajivent2004@yahoo.com](mailto:rajivent2004@yahoo.com)

## RAJIV ENTERPRISES



## ULTRAFINE COPPER POWDER

Isotope	Measured Abundance % at
Cu63	69.09 ± 0.05
Cu65	30.91 ± 0.03

Isotopic Abundance corresponds to natural

No. 4, Thirumurugan Street, 1st Fl.,  
Bharathi Nagar, Nesapakkam,  
Chennai-600078

Tel : [044 24700210](tel:04424700210)  
Whatsapp : [+91-6590029403](tel:+916590029403)  
[Business@arnasg.com](mailto:Business@arnasg.com)

**G. PREM**  
M : [98400 86649](tel:9840086649)  
[rajivent2004@yahoo.com](mailto:rajivent2004@yahoo.com)

**WHITEKEMS**

Exporters of  
High Quality  
Low Aromatic  
White Spirit  
(LAWS)

- Grade 1 and Grade 2 (Mineral White Spirit)
- Used Engine Oil
- Furnace Oil
- Light Diesel Oil (LDO)
- Mineral Turpentine Oil (MTO)
- Bitumen Products
- Base Oils
- Hydrocarbon Solvents
- Alkyd Resins

**+965 99849892**  
**+965 50368340**



Office No. 15, Bldg No. 32, Block-4,  
Near Gulf Bank, Mangaf, Kuwait

[info@white-kems.com](mailto:info@white-kems.com)  
[sales@white-kems.com](mailto:sales@white-kems.com)  
[export@white-kems.com](mailto:export@white-kems.com)

[www.white-kems.com](http://www.white-kems.com)

## KALPANA CHEMICAL INDUSTRIES

## SODIUM ALUMINATE

**A.K.JAIN**  
[9423080427](tel:9423080427)  
[8888944926](tel:8888944926)

**KCI**

Plot No. F-1/24, Opp. Shed No. W-84, MIDC  
Badlapur - 421503, Dist. Thane, Maharashtra.  
Email: [kalchem24@yahoo.in](mailto:kalchem24@yahoo.in) /  
[kalchem24@gmail.com](mailto:kalchem24@gmail.com)

## Elchemy

- Menthol Crystal
- Ethyl Acetate
- Caustic Soda Flakes
- LABSA
- Corn Starch
- CP (Chlorinated Paraffin)
- White Petroleum Jelly
- Benzyl Alcohol
- Sorbitol
- Titanium Di Oxide
- Di Ethyl Phthalate
- Glycerine
- SLES
- Maltodextrin
- SMCA
- MDC
- Styrene Acrylic
- White Mineral Oil

**ANKIT SINGH**  
Partnerships And Alliances  
[9778260363](tel:9778260363)  
[ankit.singh@elchemy.com](mailto:ankit.singh@elchemy.com)

AHMEDABAD OFFICE :  
Elchemy, CIIE, IIMA, Vastrapur,  
Ahmedabad, Gujarat-380015.  
Email : [info@elchemy.com](mailto:info@elchemy.com)  
Mob.: [+91-9867099519](tel:+919867099519)

REGD. OFFICE :  
A-448, Pocket 2, Sector 8, Rohini,  
New Delhi-110085.  
Web.: [www.elchemy.com](http://www.elchemy.com)



**Shantanu Sharma****CRYSTAL POLYCHEM**

CHEMISTRY FOR RIGHT SOLUTION

- **Anhydrous Ammonia Liquid**
- **Liquor Ammonia 25%**
- **Formaldehyde 37%**
- **Paraformaldehyde 92% and 96%**
- **Caustic Soda Flakes, Grasim / Gacl**
- **Bleaching Powder, Grasim / Gacl**
- **Sodium Hydrosulphide 28%**
- **Sodium Sulphide Flakes 50%**

217, Karnavati Complex, Near Gayatri Hotel, Phase-3,  
Trikumpurapatiya, Vatva GIDC, Ahmedabad - 382440.  
Email : [crystalpolychems@gmail.com](mailto:crystalpolychems@gmail.com)  
Mobile No : [9909628926](tel:9909628926)

Saurabh Gabani Nilesh Ghelani  
[9925741415](tel:9925741415) [9909665625](tel:9909665625)



**PC**  
**REAL CHEM**

Manufacturing of Basic Dyes &amp; Intermediate

- **Rhodamine B (Basic Violet - 10)  
Dye/Liquid/Base**
- **Diethyl Meta Amino Phenol (DEMAP)  
Lumps/Powder /Crystal**
- **Metanil Yellow (Acid Yellow 36)**
- **Auramine O (Basic Yellow 2)**
- **PAABSA (Para Aminoazobenzene  
4 Sulfonic Acid)**

Plot No. 7104, Road No. 71,  
Nr. Rita Dying Mills, GIDC Estate,  
Sachin, Dist. Surat - 394230. Gujarat India.  
Email:- [realchem7104@gmail.com](mailto:realchem7104@gmail.com)  
Website:- [www.tapipigments.com](http://www.tapipigments.com)

HARSH GOGRI [+91 9167551567](tel:+919167551567)  
[+91 9833251567](tel:+919833251567)

**Helix MultiChem**

MANUFACTURES OF FINE CHEMICALS

**COBALT**

Cobalt Chloride • Cobalt Acetate • Cobalt Sulphate • Cobalt Nitrate  
• Cobalt Oxide • Cobalt Carbonate

**NICKEL**

Nickel Chloride • Nickel Acetate • Nickel Sulphate  
• Nickel Nitrate • Nickel Carbonate

**CHROMIUM**

Chromium Chloride • Chromium Acetate • Chromium Fluoride  
• Chromium Nitrate • Chromium Formate

**TUNGSTEN**

Sodium Tungstate • Tungstic Acid • Phospho Tungstic Acid

**TIN**

Stannous Chloride • Stannous Sulphate  
• Potassium Stannate • Sodium Stannate

Office : 103, Savera, Off. Shimpoli Rd., Borivali (W),  
Mumbai-400092, Maharashtra, India.  
Factory : J-36, MIDC, Tarapur Ind. Area Boisar -  
Palghar-401506, Maharashtra, India.  
Email : [gogri.harsh@gmail.com](mailto:gogri.harsh@gmail.com)  
Web : [www.helixmultichem.in](http://www.helixmultichem.in)



**HIR CHEMICALS**  
Tested and Delivered

**OUR PRODUCTS**

- |                            |            |
|----------------------------|------------|
| > Meta Bromo Nitro Benzene | > N-Hexane |
| > Meta Bromo Anisole       | > Ethyl    |
| > Potassium Chloride       | > IPA      |
| > Zinc dust                | > Acetone  |
| > Sodium Bromide           | > MDC      |
| > Copper                   | > DMF      |
| > Acetic Acid              | > MIBK     |
| > Ethyl Acetate            | > MEK      |
| > Benzene                  | > O-Xylene |
| > Toluene                  |            |

Mob : [7359139390](tel:7359139390) Email : [hirschchemicals2022@gmail.com](mailto:hirschchemicals2022@gmail.com)

Shop No-UG-31, 1st Floor, Rajmahal A/C Mall,  
Punagam, Surat, Gujarat-395010.







# PARAMOUNT DYE CHEM INDUSTRIES

MANUFACTURES OF :

## TURKEY RED OIL

**35%, 50%, 65%**

**WE MANUFACTURE ALL GRADES**

Mob:- [9723393760](tel:9723393760) / [8200988551](tel:8200988551)

Website:- [www.paramountdyechem.com](http://www.paramountdyechem.com)

Email:- [parakisma@gmail.com](mailto:parakisma@gmail.com)

[info@paramountdyechem.com](mailto:info@paramountdyechem.com)

Shed No. C1, 6140, Rd. No. 61,  
Sachin GIDC, Surat,  
Gujarat-394230, India.

# Krishna Petrochemicals

- **Lanolin Wax** (Waxes: most suitable to Metal Polishing Luster bar & Aluminium composite panel industries)
- **Rice Bran Wax**
- **Multipurpose Wax**
- **Furnace Oil**
- **Light Density Oil (LDO)**
- **Lamp Oil / Pooja Oil**
- **Pitch Oil**
- **Mixed Hydrocarbon Oil (MHO)**
- **MTO**



301, Saman-II, Opp. Reliance Petrol Pump,  
Anandnagar Cross Road, Satellite,  
Ahmedabad-15. Phone:- [+91-79-40060297](tel:+91-79-40060297)  
Email : [ceo@krishnapetrochem.com](mailto:ceo@krishnapetrochem.com)

Satish Sejal  
[9825245229](tel:9825245229)



# HIND ELASTOMERS PVT. LTD.

## STARMAG MAGNESIUM OXIDE (JAPAN)

- 'STARMAG' is light burned and reactive Magnesium Oxide of high Purity, Isolated from Seawater with Chemical Process.
- 'STARMAG' 150 is High Activity, 'STARMAG' M is Medium Activity, 'STARMAG' L is low activity grade.
- Each grade has Special Characteristics such as good Dispersability and Workability for various Polymers.
- 'STARMAG' CX150 is Coated so it shows Superior Affinity, Dispersability and Workability for various Polymers.

### MAIN USES

Halogenated Elastomer	Magnesia Cement	Friction material
Dyes	Plastics	Catalysts
Refractory	Curing agent for phenolic resin	Absorbents
Food Additive & Animal Feed	Thickening agent for SMC / BMC	Grind Stones
Additive	Glass	Electrical Steel
Pharma	Ceramics	

### AUTHORISED IMPORTER & STOCKIST



#### HIND ELASTOMERS PVT. LTD.

702/703 Prasad Chambers, Tata Road No. 2,  
Swadeshi Mills Compound, Opera House, Mumbai - 400 004.  
Tel.: 022-2363 2222 / 2361 2222 Mobile : 93230 08200 / 88280 00777  
Email : [mail@hindelastomers.com](mailto:mail@hindelastomers.com) • Website : [www.hindelastomers.com](http://www.hindelastomers.com)



Meghal Sutariya  
M.D.  
Mobile: [9925020740](tel:9925020740)



# HARI KRISHNA LASER TECHNOLOGY

Since 1991

## HP (High Purity) Selenium Granules 5N 99.99999%

15, Sahyog Society, B/h. Sumul Dairy,  
Sumul Dairy Road, Surat - 395008  
(Gujarat-INDIA) Ph:- [0261-2535011](tel:0261-2535011)  
Website:- [www.laserhkt.com](http://www.laserhkt.com)

Email: [hktlaser@yahoo.com](mailto:hktlaser@yahoo.com)  
[info@laserhkt.com](mailto:info@laserhkt.com)



# Contents

<b>Purchase Enquiries</b> ...26
<b>Editorial</b>
<a href="#">Where are we headed? 2023-2024</a> .....19
<b>Research Reports Abstracts</b>
Global Sustainable Aviation Fuel Industry Research Report 2023-2033: From \$1.29 Billion to \$131.12 Billion - Elevating Sustainability to New heights.....30
Cleancult's Laundry Detergent Refill Recognized In Good House-keeping's 2023 Best Cleaning & Organizing Awards.....31
<b>News Round Up</b>
List Of Advertisers ..... 03
LIST OF Events ..... 05
<a href="#">Chennai Price Trend</a> .....24
<a href="#">Mumbai Price Trend</a> .....23
Master Perfumer Christophe Laudamiel Joins Osmo to Develop New Perfume Molecules and Effects via Unique AI Technologies ..32
ACS Launches New Grants and Awards to Support Sustainability Practices.....47
IOL Chemicals and Pharmaceuticals Net Profit Grows 32 Percent-age Yoy ..... 48
Sabic's Innovative Solution Wins 2023 R&D 100 Award..... 49
How falling lithium prices and self-reliance in battery manufactur-ing are fuelling affordable EVs in India ..... 50
Air Products to Showcase Clean Hydrogen and Energy Transition Solutions, Liquefied Natural Gas, Membrane Solutions and Tur-bomachinery at the Gastech Exhibition and Conference in Singa-pore.....51
Wanhua Chemical was Shortlisted for CPI 2023 Polyurethane Inno-vation Award .....52
Elkem Launches UV Hg And UV LED Curable Silicone Solutions For Sustainable Release Coatings ..... 53
Tapping growing demand for waterborne coatings and adhesives in Asia Covestro advances polyurethane dispersions capabilities with completion of new Shanghai facility ..... 54
Ampace will showcase new energy storage products at North

America's premier solar power exhibition RE+, ushering in a new era of global energy storage batteries with "long-cycle" capabili-ties.....55
Key Challenges and Opportunities for Paint and Coating Procure-ment in the Chemical Industry.....56
Rising Fabric Demand Drives Adoption of Advanced Lubricants in the Knitting Industry.....60
Bringing the power of Dow innovation to Labelexpo Europe 202361
Evonik and LEHOSS form strategic partnership for industrial 3D printing.....76
Increasing Use of Organic Chemicals in Personal Care and Phar-maceuticals Boosts Market Expansion.....77
Perstorp unveils new drop-in replacements for a low-emission future of synthetic polyol esters ..... 78
Polyplastics' New DURAFIDE (R) PPS Grade Delivers Exceptional Heat Resistance for EV Lithium-ion Batteries ..... 79
<b>EVENTS AND CONFERENCES</b> ...58
<b>Free Service Subscribers - Sub. Today</b> ...4
<b>Market Prices</b>
<a href="#">Booking Prices</a> .....62
<a href="#">Mumbai Market Prices</a> .....62
<a href="#">International Market Prices</a> .....64
<a href="#">Opening Port Prices</a> .....69
<a href="#">Producer Prices</a> .....71
<b>News Snippets</b>
<a href="#">Automobiles</a> .....33
<a href="#">Drug &amp; Pharma News</a> .....37
<a href="#">Chemical Technology</a> .....39
<a href="#">New Products</a> .....41
<a href="#">Mergers &amp; Acquisitions</a> .....43
<a href="#">International News</a> .....45
<a href="#">Event &amp; Conferences</a> .....58
<a href="#">Magazine Advertisement Tariffs (India)</a> .....8

**Publisher:**  
Parimal Parikh

**Editor:**  
Rajiv Parikh

**Content:**  
Pranisha P. Jadhav  
Sonam Parikh

**Designer:**  
Pranisha P. Jadhav

**For Advertising & Subscription**  
[info@chemicalmarket.net](mailto:info@chemicalmarket.net)

**Website:**  
[www.chemicalmarket.net](http://www.chemicalmarket.net)

**Online Subscription:**  
[www.chemicalmarket.net/magazine/subscribe](http://www.chemicalmarket.net/magazine/subscribe)

**Leads Platform Subscription:**  
[www.chemicalmarket.net/leadsplatform](http://www.chemicalmarket.net/leadsplatform)

**Advertise with us:**  
[www.chemicalmarket.net/advertise/online](http://www.chemicalmarket.net/advertise/online)  
Deepesh Patel (+91-93724 34490)

**Product Upload & Technical Support :**  
Mihir Suneria (+91-79770 72412)

**Contact Information:**  
Tel: 91-981-9644-048  
91-877-9830-330  
Email: [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

**Published by**  
**Parimal B. Parikh**  
401/C Himachal Bldg, Opp. Sunder Nagar,  
S.V.Road, Malad (West), Mumbai 400064.  
Mobile: 91-87798-30330

**DCM Media Office Address:**  
DCM Media Private Limited  
513, Lotus Business Park, Ram Baug, Chincholi,  
Off S. V. Road, Malad West, Mumbai - 400064  
**Phone:** 98196-44048 / 91-877-9830330



# CHEMICAL MARKET

A MONTHLY MAGAZINE DEVOTED TO THE DYES, CHEMICALS, PHARMACEUTICALS, TRADE & INDUSTRY SINCE 1982

## Where are we headed? 2023-2024

PM Modi has his own charisma! Recently after the G20 where the world leaders were surprised at how well the event was organized, the praise for PM Modi was astounding. The route from India to the Middle East is a direct challenge to the Belt and Road Initiative from China.

This was something unexpected and the way geopolitics is shaping has far surpassed any other leader's strategy in the past not just in India but across the globe. The core agenda of the Prime Minister is just growth. He wants that India become the world's number one country for travel, for culture, for business for road infrastructure, for policies, for anything which makes the human race successful including energy and chemicals sectors which is the base of any civilization to flourish. My personal opinion is that, if you cannot see what PM Modi is doing for the betterment of India and also the world, you might want to reconsider and view from a different frame of reference. Only if all pockets of the country have factories, increased manufacturing capacity, extreme employment where people can flourish and earn a good acceptable living, there's no way India will one day be a "golden sparrow".

Recently in the petrochemical sector, PM Modi laid the foundation stone for Rs. 49,000 crore (\$5.9BN) Petrochemicals Project at BPCL's Bina Refinery in Madhya Pradesh. This project involves increase in BPCL's Bina Refinery capacity from 7.8 MMTPA to 11 MMTPA. This opens up jobs for almost 15,000 employees and once completed will generate about 100k direct and indirect employment and thus proper the state and the area. The long terms impact is, it will save Forex outgo of about 20,000 crores per year preventing importing of petroleum products and this making India further self-reliant. Its estimated completion time is about 5 years with state of art infrastructure in and around Madhya Pradesh. Prime Minister Narendra Modi said, "I guarantee you that the Petrochemical Complex at Bina Refinery will spur growth in the entire region and take development to new heights." Prime Minister also mentioned that it will not only give rise to new industries but benefit the small farmers and entrepreneurs and create thousands of opportunities for the youth.

Speaking on the occasion, G. Krishnakumar, Chairman & Managing Director, Bharat Petroleum Corporation Ltd. said, "Our Rs 49000 crore investment in the Ethylene Cracker Project at Bina is demonstrative of our firm commitment in expanding BPCL's energy envelope with a future ready product portfolio in the petrochemical

space and becoming a major participant in our Government's mission of building the country as a globally competitive and preferred manufacturing destination." The planned petrochemical complex is expected to have a cracker with a 1.2m tonne/year ethylene capacity; a 650,000 tonne/year LLDPE/HDPE (linear low density polyethylene/high density PE) swing plant; a 500,000 tonne/year HDPE unit; a 550,000 tonne/year polypropylene (PP) line; and a 50,000 tonne/year butene-1 unit, based on BPCL's September 2022 report submitted to the Ministry of Environment, Forests and Climate Change.

The chemical industry trends in 2023 showcases the following important points. Focus is and will be on sustainability as more and more countries tries to be carbon neutral or net zero by 2050. Digitalization of the industry is the next big and important factor. This is and will be required if we want to integrate AI in to our day to day production mechanism and control the systems based on past and expected performance matrix. Digitalization will also help to improve sales and increase profits as most of the tasks will be taken care by considering the numbers at hand. The third and the most important thing is localization and reshoring as we realized that during the pandemic, it was important to be self-reliant and thus self-sufficient. This trend is also driven by geo-political tensions, need to produce at home for better accountability and sustainability and changing customer preferences. With the new virus making trends on twitter (Now X), it is important to be at the forefront to develop new products and solutions to help improve health and wellness, such as antimicrobial coatings and materials, disinfectants and hygiene products. This is also a boost in the pharmaceutical sectors which are dependent of APIs and chemical/drug raw material to build a final product. There has also been a rising interest in chemical recycling which is a process that converts waste plastics into chemical feedstocks or fuels, creating a circular economy for plastics. This in turn also has created focus on ESG which are important factors for investors and stakeholders which forces these companies to have greater emphasis on sustainability, diversity and ethical governance to maintain a positive reputation and be a reputed name in the industry for doing their own for the environment and people. Then the last but not the least is greater emphasis on specialty chemicals which are high-value, low volume chemicals used in various industries including pharmaceuticals, electronics and personal care.

-Rajiv Parikh





# Chemcloud Pvt. Ltd.

An ISO 9001 : 2015 Certified Company

Manufacturer of Acetic Acid 1st time in Tamilnadu

- **Industrial Grade Acetic Acid**
- **Glacial Acetic Acid**
- **Dilute Acetic Acid**
- Instant Hand Sanitizer & Alcoholic Hand Rub with Moisturizer
- Instant Hand Rub (Chlorhexidine / Alcohol Skin Anticceptic with Skin Emolfients & Moisturizers)

SF No. 66/B, M.B.T. Road,  
Eranthangal Village,  
Vellore - 632 519  
Customer Care : +91 9043078040  
Mob.: +91-9790336644

E-mail : [sales@pncchemcloud.com](mailto:sales@pncchemcloud.com)  
[info@pncchemcloud.com](mailto:info@pncchemcloud.com)  
Web : [www.pncchemcloud.com](http://www.pncchemcloud.com)

**Sectors we Serve**

- EV
- Energy

**Our Services**

- Consultancy
- Finding Business Partner
- Trainings
- Webinars & Events

To know more: **Rosefield Energy Tech**

[www.rosefieldenergytech.com](http://www.rosefieldenergytech.com)  
+91 86558 86395

OM TEX CHEM

**SANJAY PONDA**  
Director - Commercial  
Moblie - [9821056471](tel:9821056471)

# OM TEX CHEM PVT. LTD.

*Your Silicone Destination!*

- **Silicone Oil**
- **Amino Silicone Oil**
- **Block Silicone Oil**
- **Block Silicone Emulsion**
- **Hydrophilic Silicone**
- **Silicone Defoamers**
- **Silicone Emulsion**
- **Silicone Softner**
- **Silicone Spreader**
- **Masanory Water Repellent**

Plot No. 243/244, Jawahar Co-op. Ind. Estate,  
Village Kamothe, Kalamboli, Tal. Panvel,  
Dist. Raigad, Navi Mumbai-410206  
Email: [omtexchem@gmail.com](mailto:omtexchem@gmail.com)  
Tel:- [022-27431950](tel:022-27431950) / [51 / 52 / 53](tel:51527555) Web:- [www.omtexchem.com](http://www.omtexchem.com)

Ammonium Acetate	Crystal Pure	-----
Ammonium Carbonate	Lumps	Powder / Flakes
Ammonium Chloride	Technical	Pure: 99%
Ammonium Formate	Crystal	-----
Ammonium Oxalate	Crystal-Monohydrate	-----
Ammonium Sulphate	Technical	Pure: 99%
Mono Ammonium Phosphate	Technical	Pure
Di Ammonium Phosphate	Technical	Pure: 99%
Calcium Acetate	-----	Anhydrous
Calcium Chloride 75%, 85%, 95%	Fused/Lumps	Powder
Tri Calcium Phosphate	-----	Anhydrous
Ferric Chloride	40% Solution	Anhydrous
Magnesium Sulphate	Heptahydrate	Monohydrate
Manganese Sulphate	32% mn	-----
Potassium Acetate	-----	Anhydrous
Potassium Chloride	Technical	Pure
Potassium Sulphate	Technical	Pure
Mono Potassium Phosphate	Technical	Pure
Di Potassium Phosphate	Tech. Anhydrous	Pure Anhydrous



# Vinipul Inorganics Pvt. Ltd.

An ISO 9001:2015 & 14001:2015 Certified company

**Manufacturer of Inorganic Chemicals**

1/3, Kandhari Colony, 2nd Road,  
Opp. Orchid Hotel, Chembur (E),  
Mumbai-400071.  
Mob : [8097064853](tel:8097064853) / [54](tel:54)

**Vinit Shah** - Director  
[9322231817](tel:9322231817)  
**Vipul Shah** - Director  
[9867252610](tel:9867252610)

Website:- [www.vinipul.com](http://www.vinipul.com)

Email:- [vinit@vinipul.com](mailto:vinit@vinipul.com) / [umang@vinipul.com](mailto:umang@vinipul.com)




**FORTUNE IMEX**

 Email : [info@fortuneimex.co.in](mailto:info@fortuneimex.co.in) • Website : [www.fortuneimex.co.in](http://www.fortuneimex.co.in)
**RATHEESH RAMANKUTTY**  
 Co-Founder & CEO

 FF-01, Kishan Glory, Bill Kalali Road,  
 Bill, Vadodra, Gujarat-391410.  
 Mobile : 8320457898 / 9428420709

**API PRODUCTS**

Sr. No.	Product	Grade
1	PENTOPRAZOLE SODIUM	IP / USP
2	PREGABALIN	IP / USP / BP
3	OXCARBAMAZEPINE	IP / USP
4	CARBAMAZEPINE	IP / USP

**INORGANIC PRODUCTS**

Sr. No.	Product	Grade
1	SODIUM NITRATE	DOMESTIC / EXPORT
2	CALCIUM CHLORIDE	DOMESTIC / EXPORT
3	FERRIC CHLORIDE ANHYDROUS	DOMESTIC / EXPORT
4	POTASSIUM CHLORIDE	DOMESTIC / EXPORT
5	CHLORO ACETYL CHLORIDE	DOMESTIC / EXPORT

**QC ANALYTICAL IMPURITIES**

Sr. No.	Product	Grade
1	REACTION MONITORING IMPURITIES	IP / USP / BP
2	INTERMEDIATE ANALYSIS IMPURITIES	IP / USP / BP
3	API ANALYSIS IMPURITIES	IP / USP / BP


**Dilip Shah**

- Available Dist. Pharma Solvent,
- CycloHexene,
- Toluene Acetone MIBK NBA
- Butyl Acetate Ethyl Acetate
- THF ACTN 2 Methyl Pyridine
- Pyridine Beta Pricolin Gama
- Pricalin Also Phosperic Acid  
By Product 82% White
- Acitic Acid 99+ White and many more
- TEA DMSO DMSC

**We can purchase spent solvent Crud regularly**

 8, B/14, Eltee Apartment, Saibaba Nagar,  
 Off S.V. Road, Mumbai-400092.

 Mob.: 8369411448 • E-mail : [dilipshah611960@gmail.com](mailto:dilipshah611960@gmail.com)

**Abhay D. Hingarh**  
 Proprietor

# JOVIKA ENTERPRISE

- Ethyl Acetate
- Toluene
- IPA
- Methylene Dichloride (MDC)
- Mix xylene
- Thiourea
- Morpholine
- Hydrazine Hydrate 80%
- Soda Ash
- Acetic Acid
- Caustic Flakes
- Caustic Lye
- Sodium Bi Sulphite
- Dimethylformamide (DMF)
- Spent Sufuric Acid
- Spent Sodium Bromide
- Maleic Anhydride
- Phthalic Anhydride
- Activated Carbon
- Also Supply Laboraotry Equipment

 59 A/B, S.V Road, Opp Pizza Hut, Near BPCL Petrol Pump, Amboli,  
 Jogeshwari (W), Mumbai - 400 102, INDIA.

 Contact : +91 9821011976 • E-mail : [jovikaenterprise@gmail.com](mailto:jovikaenterprise@gmail.com)

**NIKAVA**  
 PHARMACEUTICAL INDUSTRIES

Manufacturer of Pharmaceutical &amp; Fine Chemicals

Sr. No.	Product Name	CAS No.
1	Acetyl Chloride	75-36-5
2	Alumina Oxide /Basic/ Acidic/ Neutral	1344-28-1
3	Benzoyl Chloride	98-88-4
4	Hcl Gas In Methanol	7647-01-0
5	Methyl Chloroformate	79-22-1
6	Methylamine Hydrochloride	593-51-1
7	Monomethylamine In Methanol	74-89-5
8	Pyrophosphoryl Chloride	13498-14-1
9	4m Hcl Acid In 1,4-Dioxane	7647-01-0
10	Methylamine Solution 40%	74-89-5

**AMEE VORA - Export Manager**  
 Mob.: 9769984566

 Admin Off.: 501/504, Mahesh Apartment,  
 Shrimad Rajchandra Marg, Off. Tilak Road,  
 Ghatkopar (E), Mumbai-400077  
 Tel.: +91-9653317212/8433630603

 Works: W-52, MIDC, Morivali,  
 Ambernath (W), Dist. Thane,  
 Pin-421505, Maharashtra.  
 Tel.: +91-7977054156

 E-mail : [nikavav@gmail.com](mailto:nikavav@gmail.com) / [info@nikava.in](mailto:info@nikava.in)

 Web:[www.nikava.in](http://www.nikava.in)


**KIP**  
CHEMICALS**Sachin Shah**  
**+91-9892492782****INDUSTRIAL CHEMICAL**

• 1,6-Hexanediol • BCDMH- Bromo Chloro Dimethyl Hydantoin Powder • Vulkanox BKF- Rubber Antioxidant • Methyl Cyclohexane • Rheovis - HEUR PU Thickener for Paint Industry

**PHARMA INDUSTRY**

• Acetone Cyanohydrin • 2 Pyrrolidone • Thiophene  
• Bulyraldehyde • Bulyraldehyde • Glyoxylic Acid -50%  
• 1,5 Pentanediol Liquid

**COSMETIC INDUSTRY**

• Allantoin • DMDM Hydantoin • PEG 150 Distearate  
• APG-Alkyl Polyglucoside • Benzophenone 3 & 4 • Carbomers Series - Rheology Modifier • Silicon Quaternium-22 Conditioning Agent

**HOME/PERSONAL CARE INDUSTRY**

• Acid Thickener • PCMX - Para Chloro Meta Xylenol  
• Ethoxylate Series - Powder/ Liquid • Benzalkonium chloride  
• BKC 50% & 80%

**KIP CHEMICALS PVT. LTD.**

T : +91-22-4973 0577 / 4973 0677  
A : 211-212, Goldcrest Business Park, Opp. Shreyas Cinema,  
LBS Marg, Ghatkopar (West), Mumbai - 400086.  
Email : [kipchemicals@gmail.com](mailto:kipchemicals@gmail.com)

**Chetan Lakhpati**  
**+91-9920337763****HAMY Engineering and Lubrications Pvt. Ltd.****Heat Transfer Fluids**

- Leading thermic fluid player in India. Widest range of thermic fluids to suite requirement of various industries
- 18 different heat transfer fluids ranging from (-115) °C to 400 °C.

**Adhesives:**

- Retaining Compounds
- Thread Lockers
- Gasketing Compounds
- Thread Sealants
- Pre – Applied Thread locking Adhesives
- Pipe Sealant
- High temperature Anaerobic Sealants
- UV Curable Adhesives
- Glass Bonding Adhesives
- Adhesives for Composite and Metal Bonding
- Cyanoacrylate Adhesives
- Epoxy Adhesives
- Polyurethane Adhesives

No C, Shree Sai Warehousing Park, Survey No 168 & 67/2 Paiki,  
at Village Padgha, Taluka Bhiwandi, District - Thane - 421101.  
Email : [chetan@chamyengg.com](mailto:chetan@chamyengg.com)

**Aniket Mehta (Partner)**  
**+91-9998562134****RANG**  
**SARJAN CHEMICALS****ISO Certified****Manufacturer and Exporter****All Kind of Chemicals with various packaging option.**

- Ferric Chloride
- Hydrochloric Acid 30-36%
- Caustic lye / Flakes
- Sulphuric Acid
- Formaldehyde
- Nitric Acid
- Acetic Acid
- Sodium Hydrochloride
- Aluminium Sulphate (Ferric and Non Ferric Alums)
- Hydrated Lime
- And Others as per customer requirement.

408, C-1, B., G.I.D.C. Estate,  
Ankleshwar - 393002. Dist. Bharuch.  
Mobile:- **+91-9870001366**  
Email : [rangsarjan@gmail.com](mailto:rangsarjan@gmail.com)  
[rangsarjan.sales@gmail.com](mailto:rangsarjan.sales@gmail.com)

**Mr. Alpesh Maru**  
**Mob.: 9824788545****Mr. Chandersh Maru**  
**Mob: 9426155952 / 9104108545****CHEMO TRIX (INDIA) PVT. LTD.**  
**MARU CHEM INDUSTRIES****Manufacturer, Supplier & Importer of :**  
**Agro Chemicals , Fertilizers & poultry feeds & Industrial Chemical**

- ◆ Caustic Soda Flakes ◆ Soda Ash Light ( Imported & Indian)
- ◆ Borex Pentahydrate ( Imported) ◆ Borex Deca ◆ Potassium Chloride (KCL) ◆ Potassium Carbonate ◆ Sodium Nitrate ( NaNO<sub>3</sub>) Imported
- ◆ Copper Sulphate 24% (Powder and crystal) ◆ Cobalt Sulphate Co-20% ◆ Ferrous Sulphate crystal 18% to 19% ◆ Ferrous Sulphate dried 30%.
- ◆ Manganese Sulphate 32% ◆ Magnesium Sulphate (Dried Powder) Mg 15% to 16% ◆ Magnesium Sulphate Monohydrate Powder. (17.5% to 18%) ◆ Magnesium Sulphate (hepta)9.6% ◆ Magnesium oxide(Mgo) Imported 85%to90% ◆ Zinc Sulphate (Hepta)21% ◆ Zinc Sulphate(Mono) 28% And 33%

C-1/B, 2419 Phase-3, Near. Bank of Baroda G.I.D.C.,  
Vapi -396195 Gujarat INDIA.  
Email:- [vapimaruchem@yahoo.co.in](mailto:vapimaruchem@yahoo.co.in) / [maru.2005@yahoo.in](mailto:maru.2005@yahoo.in)



MUMBAI PRICE TREND - 12.09.2023	
Organic & Inorganic Chemicals	Price (Rs/Kg)
PMA	114+
SOLVENT C9 -BARRELS	107+
TOLUENE - BARRELS	92+
NBA - BARRELS	98+
EDC	45+
NPA	116+
CL	37+
MDI	18+
PHOESPHORIC ACID	98+
MEALIC ANHYDRIDE	85+
NIETRO BENZENE	100+
DMF	88+
ACITIC ACID	45+
MEK	117+
CYCLO	144*+
ETHYLE ACETATE	85+
FORMAL	19+
BUTYL ACETATE	107+
CAUSTIC POTASH	113+
ALPHOX	161+

TE4	98+
POTASSIUM CARBONATE	128
ACRYLIC ACID	96+
EAM	138+
DCDA	160+
P. G	131+
IPA	94+
ACETONE	87+
MIX XYLEN	95*+
O. XYLENE	103+
BENZENE	82+
MEG	54+
DEG	85+
GLYCERINE	65+
SORBITOL	47.50
SODA ASH	1715+
SMBS	37+
SBC	1940+
METHANOL	31.50+
MIBK	175+
MCB	76+
ODCB	91+

Above prices are given in good faith by : **MR. HITESH C. GOSALIA**

**Broker in Chemicals & Solvents**

13-A, R.V. Building, Near Sion Rly. Station, Inside Ayurvedic Hospital, On Hill, Sion, Mumbai-400022.

Mob. : 9869131022 / 7977251683 / 9224340945

**Market Prices given in this Magazine is to know market trend only.  
We assume no responsibility for availability of products at quoted prices.**

**ADVERTISMENT IN CHEMICAL MARKET**

**MAGAZINE ADVERTISE**  
30k+ Reader

**EMAIL MARKETING**  
30k+ Data For Chemical Industry

**WEBSITE**  
70k+ Visitor

**SOCIAL MEDIA MARKETING**

info@chemicalmarket.net | +91 87798 30330 | www.chemicalmarket.net



## CHENNAI PRICE TREND – 12.09.2023

Inorganic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acid Slurry (Soft)	50 Kgs	135.00
Alum- Ferric	50 Kgs	20.00
Ammonium Bicarbonate	25 Kgs	32.00
Ammonium Bi Fluoride [sugar-grade]	50 Kgs	178.00
Ammonium Carbonate	50 Kgs	90.00
Ammonium Chloride	50 Kgs	48.00
Ammonium Nitrate	50 Kgs	30.00
Ammonium Phosphate (Mono)	50 Kgs	135.00
Ammonium Sulphate	50 Kgs	25.00
Antimony Trioxide	50 Kgs	1050.00
Barium Chloride	50 Kgs	58.00
Bleaching Powder (33% Cl)	25 Kgs	14.00
Borax (Granular)	50 Kgs	86.00
Boric Acid (Tech.)	50 Kgs	118.00
Calcium Carbonate ( Activate)	50Kgs	18.00
Calcium Carbonate (Precipitated)	50 Kgs	17.00
Calcium Chloride Lump 70%	50 Kgs	14.00
Calcium Chloride-Anhydrous	50 Kgs	24.00
Camphor Oil	200 Litres	135.00
Caustic Potash (Flakes)	50 Kgs	120.00
Caustic Soda (Flakes)	25 Kgs	40.00
Caustic Soda (Prills)	50 Kgs	98.00
Chromic Acid Flakes	50 Kgs	325.00
Chlorinated Xylene	25 Kgs	85.00
Copper Sulphate	180 Kgs	220.00
Di ammonium Phosphate	50 Kgs	34.00
Diocetylmalite	180 Kgs	82.00
Ferric Chloride (Anhydrous)	Naked	39.00
Ferrous Sulphate – Crystals	50 Kgs	16.00
Hydrochloric Acid	Naked	4.00
Hydrogen Peroxide 50%	50 Kgs	34.00
Hyfiosupercell	22.7 Kgs	132.00
Litharge	50 Kgs	220.00
Lithopone B301(China)	25 Kgs	112.00
Magnesium Carbonate (Indian)	50 Kgs	130.00
Magnesium Sulphate	50 Kgs	18.00
Mercury	34.5 Kgs	7800.00
Napthaline Balls	50 Kgs	130.00
Nickel Chloride	25 Kgs	725.00
Phosphoric Acid (85% Tech)	50 Kgs	105.00
Potassium Carbonate (Powder)	25 Kgs	178.00
Potassium Carbonate (Granules)	25 Kgs	130.00
Potassium Nitrate	50 Kgs	150.00
Potassium Permanganate [Tech]	50 Kgs	280.00
Potassium Permanganate [Pure]	50 Kgs	310.00
Potassium Phosphate (Di)	50 Kgs	158.00
S.L.E.S	50 Kgs	60.00

Soda Ash Light	50 Kgs	36.00
Sodium Bicarbonate	50 Kgs	40.00
Sodium Bichromate	50 Kgs	190.00
Sodium Bisulphite	50 Kgs	42.00
Sodium Chlorite 50% (India)	50 Kgs	240.00
Sodium Chlorite 80% (India)	50 Kgs	280.00
Sodium Cyanide	50 Kgs	650.00
Sodium Fluoride	50 Kgs	150.00
Sodium Formate	50 Kgs	63.00
Sodium Hexameta Phosphate 68%	50 Kgs	132.00
Sodium Hydrosulphite [China]	50 Kgs	180.00
Sodium Metabisulphite	50 Kgs	38.00
Sodium Nitrate	50 Kgs	80.00
Sodium Nitrite (China)	50 Kgs	80.00
Sodium Silicate	Noted	28.50
Sodium Sulphate (Anhydrous)	50 Kgs	16.00
Sodium Sulphide 50-52% (Flakes)	50 Kgs	58.00
Sodium Sulphide 58-60% (Flakes)	50 Kgs	52.00
Sodium Sulphite 92%	50 Kgs	56.00
Sodium Tri polyphosphate	50 Kgs	112.00
Titanium Dioxide Anatase	25 Kgs	195.00
Titanium Dioxide (Rutile - R-902)	25 Kgs	256.00
Trisodium Phosphate	50 Kgs	42.00
Zinc Chloride Powder (Tech.)	50 Kgs	80.00
Zinc Oxide White Seal	50 Kgs	235.00
Zinc Stearate [Pure]	25 Kgs	195.00
Zinc Sulphate (Tech.)	50 Kgs	58.00
Organic Chemicals	No of Units Per Pack	Price (Rs/Kg)
Acetic Acid Glacial	35 Kgs	61.00
Acetone	160 Kgs	85.00
Benzene	196 Ltrs.	92.00
Benzyl Alcohol	200 Kgs	200.00
Bisphenol-A (Russian)	25 Kgs	180.00
Bisphenol-A (Russian)	170 Kgs	197.00
n-Butyl Acetate	165 Kgs	120.00
Butyl Cellosolve	195 Kgs	120.00
Camphor	25 Kgs	500.00
Cellosolve –Ethyl	195 Kgs	160.00
Chloroform	300 Kgs	44.00
Citric Acid (Anhy)	25 Kgs	90.00
Citric Acid (Mono)	25 Kgs	70.00
Cresote Oil	50 Kgs	64.00
Cyclohexanone	190 Kgs	142.00
D D Turpentine	200 Ltrs.	145.00
Diacetone Alcohol	195 Kgs	135.00
Diethylene Glycol	230 Kgs	85.00
Dimethyl Formamide	195 Kgs	105.00
Diocetyl Phthalate	200 Kgs	140.00
Di-Pentene	200 Kgs	92.00





EDTA Acid	25 Kgs	288.00
EDTA Disodium	25 Kgs	248.00
EDTA Tetrasodium	25 Kgs	248.00
Ethyl Acetate	185 kgs	96.00
Ethylene Dichloride	200 Kgs	54.00
Ethylene Glycol-mono	230 Kgs	63.00
Formaldehyde	65 Kgs	26.00
Formic Acid	35 Kgs	65.00
Formic Acid	250 Kgs	63.00
Hexamine – Tech	50 Kgs	100.00
n-Hexane	160 Litrs	68.00
Hydroquinone (Imported)	25 Kgs	850.00
Isopropyl Alcohol	160 Kgs	124.00
Isopropyl Alcohol (Refill)	160 Kgs	104.00
Maleic Anhydride	25 Kgs	120.00
Methyl Ethyl Ketone	166 Kgs	120.00
Methyl Isobutyl Ketone	160 Kgs	180.00
Methyl Isobutyl Ketone (Refill)	160 Kgs	170.00
Methylene Dichloride	250 Kgs	52.00
Methylene Dichloride (Refill)	250 Kgs	42.00
Mineral Turpentine Oil	50 Kgs	120.00
Monochloro Phenol	50 Kgs	120.00
Nitrobenzene	200 Kgs	116.00
Octanol (2-ethylhexanol)	160 Kgs	130.00
Oleic Acid	50 Kgs	140.00
Oxalic Acid (Punjab)	50 Kgs	65.00

Paraffin Wax ( White)	50 Kgs	125.00
Para formaldehyde 91%	25 Kgs	100.00
Perchloroethylene	320 Kgs	120.00
Phenyl Liquid	230 Kgs	105.00
Phthalic anhydride	25 Kgs	115.00
Pine Oil 22%	200 Litrs	110.00
Pine Oil 40%	200 Litrs	190.00
Polyethelene Glycol 400	230 Kgs	118.00
Polyethelene Glycol 600	230 Kgs	140.00
Propylene Glycol	215 Kgs	128.00
Poly Aluminium Chloride	25 Kgs	34.00
Red Lead	50 Kgs	220.00
Renine	180 Kgs	72.00
Rosin	17 Kgs	115.00
Sodium Acetate	50 Kgs	34.00
Sodium Benzoate	50 Kgs	105.00
Sorbitol	250 Kgs	52.00
Stearic Acid ( cosmetic)	50 Kgs	125.00
Styrene Monomer	185 Kgs	115.00
Terpeneol Perfumery	25 Litrs	260.00
Thiourea	25 Kgs	400.00
Toluene	200 Ltrs	96.00
Trichloroethylene	280 Kgs	120.00
Triethanolamine	210 Kgs	125.00
Vinyl Acetate Monomer	185 Kgs	105.00
Xylene Mixed	185 Kgs	98.00
O-Xylene	185 Kgs	120.00

Above prices are given in good faith by : **MR. SUBHASH GHORAWAT**

**M/S. CHEMICAL (INDIA) COMPANY**

'Eden Plaza', 3rd Floor, 87-Perumber Barrack Road, (Near Doveton Signal), Purusaiwakkam, Chennai - 600007 (India).

Phone : +91-44-26611911/044- 26611912/ 044-26611913 E-mail : [contact@iccchennai.com](mailto:contact@iccchennai.com)/ [chemicalsindiacompany@gmail.com](mailto:chemicalsindiacompany@gmail.com)

Web : [www.chemicalsindiacompanychennai.com](http://www.chemicalsindiacompanychennai.com)

**Market Prices given in this Magazine is to know market trend only.  
We assume no responsibility for availability of products at quoted prices.**



**CHEMICAL MARKET**  
Connecting the Chemical Industry

**WE ARE DATA AGGREGATORS**

If you do not list your company and products,  
you might lose a potential customer

If you list your company and products,  
you will definitely get a new customer

**(IMPORT / EXPORT COMPATIBLE):**  
Connect to Local and International Audience



**CHEMICAL MARKET LEADS PLATFORM**



# Buy Enquiries

Post your BUY Enquiries:

<https://www.chemicalmarket.net/search>

Subscribe Magazine Now: <https://www.chemicalmarket.net/Magazine/Subscribe>

Product Name	Qty	Grade
Perfume	10 Kgs	Industrial
Dye	10 Ltrs	Industrial
Optical Brightener	10 Kgs	Industrial
Enzyme	10 Ltrs	Industrial
Mikon ATC - activator this is a brand name	10 Kgs	Industrial
Bavhibit AM	10 Kgs	Industrial
Na4EDTA	10 Kgs	Industrial
PBS4 -sodium perborate tetra	10 Kgs	Industrial
Citric Acid	10 Kgs	Industrial
SMF / 3	10 Ltrs	Industrial
Teric GN9	10 Ltrs	Industrial
LABS powder	10 Ltrs	Industrial
STP	10 Ltrs	Industrial
Soda Ash	10 Kgs	Industrial
Sodium Sulphate	10 Kgs	Industrial

Details : quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
H.D.P.E. BEND 160 MM (6") PRESSURE - 6 KGS AS PER MAKE JAIN /KOTHARI	3 Nos	None
H.D.P.E. TAIL PIECE LONG 160 MM (6") PRESSURE - 6 KGS MAKE JAIN /KOTHARI	8 Nos	None
H.D.P.E. PIPE 160 MM (6") PRES-SURE - 6 KGS AS PER MAKE JAIN /KOTHARI	24 Mtrs	None
H.D.P.E. ELBOW 200 NB PRES-SURE - 6 KGS, AS PER 3 NOS	3 Nos	None
H.D.P.E. LONG STUB END 200 NB PRESSURE - 6 KGS AS PER IS:4984:1995 MAKE KOTHARI	10 Nos	None
H.D.P.E. PIPE 200 NB PRES-SURE - 6 KGS, GRADE - PE-100 AS PER IS:4984:1995 Make KOTHARI	54 Mtrs	None

Details : Please quote the best price with lead time

Product Name	Qty	Grade
Cyclohexyl Chloride	3000 Kgs	Industrial

Details : Please quote the best price with lead time COA & MSDS

Product Name	Qty	Grade
DEFOAMER // 126-86-3 // 38111900 // LL 9900	1 Tonnes	Chemical

Details : Leads for : LUBRICANTS ADDITIVES

Product Name	Qty	Grade
Ethyl 3-(2-(((4-cyano-phenyl)amino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-6-carboxamido)propanoate CAS#:- 211915-84-3	5 Kgs	None

Details : Need this Dabigatran intermediate for trial purpose.

Product Name	Qty	Grade
Bromoacetaldehyde Dimethyl Acetal CAS NO:- 7252-83-7	500 Kgs	Industrial

Details : We have the following requirement kindly send your best offer for the same with the lead time and specifications.

Product Name	Qty	Grade
Allyl Chloride 99% // 107-05-1 // A43930	1 Can	Virgin-Pure

Details : We need the material

Product Name	Qty	Grade
Aminomethane CAS#:- 77-86-1	4 Tones	None

Details : Pharma application

Product Name	Qty	Grade
TALL OIL	1 Tones	Industrial

Details : Please inform best price, also please share it's GC & lab analysis report & it's COA.

Product Name	Qty	Grade
Methacryloyl Chloride CAS# :- 920-46-7	500 Kgs	Industrial

Details : Please share your best offer on basis FOR Ahmedabad along with the COA, delivery time, packing detail and payment terms.

Product Name	Qty	Grade
Methacryloyl Chloride CAS# :- 920-46-7	500 Kgs	Industrial

Details : Please share your best offer on basis FOR Ahmedabad along with the COA, delivery time, packing detail and payment terms.

Product Name	Qty	Grade
Succinic Acid 99%-food grade chemical	80 Kgs	Industrial


Details : Food Grade Chemical





# Buy Enquiries


Post your BUY Enquiries:


<https://www.chemicalmarket.net/search>


Product Name	Qty	Grade
Soda Ash 	5000 Kgs	Any
Details : Please quote the best price with lead time & COA		


Product Name	Qty	Grade
Cyclopentyl Chloride  Cas no: 930-28-9	5000 Kgs	Industrial
Details : Cyclopentyl Chloride Cas no: 930-28-9		


Product Name	Qty	Grade
Sodium Nitrate (By-Product)-60% Cas no: 7631-99-4 	30 Tonnes	Industrial
Details : Please quote the best price with lead time & COA.		

Product Name	Qty	Grade
Sertraline IP grade  Pigments Chemicals	5 Tonnes	Industrial
Details : IP Grade, Please quote the best price with lead time & COA.		


Product Name	Qty	Grade
Methacrylic Acid // 79-41-4 	1 Drums	None
Details : Leads Fro : BHUMICHEM		


Product Name	Qty	Grade
Concentrated Nitric Acid  98% Cas no: 7697-37-2	10 Tonnes	Industrial
Details : Please quote the best price with lead time & COA.		


Product Name	Qty	Grade
Nitroethane Cas no: 79-24-3 	100 Kgs	Industrial
Details : Please quote the best price with lead time & COA.		


Product Name	Qty	Grade
2-Bromo Benzoic Acid  Cas no: 88-65-3	3 Tonnes	Industrial
Details : Regular every Month. Please quote the best price with lead time & COA.		


Product Name	Qty	Grade
Gemcitabine HCL IP  Cas no: 122111-03-9	13 Kgs	Industrial
Details : quote the best price with lead time & COA.		


Product Name	Qty	Grade
DEFOAMER // 126-86-3  // 38111900 // LL 9900	1 Tonnes	Chemical
Details : Leads for : LUBRICANTS ADDITIVES		


Product Name	Qty	Grade
Ethyl 3-(2-(((4-cyanophenyl)amino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-6-carboxamido)propanoate CAS#:- 211915-84-3 	5 Kgs	None
Details : Need this Dabigatran intermediate for trial purpose.		


Product Name	Qty	Grade
Bromoacetaldehyde Dimethyl Acetal CAS NO:- 7252-83-7 	500 Kgs	Industrial
Details : We have the following requirement kindly send your best offer for the same with the lead time and specifications.		


Product Name	Qty	Grade
Allyl Chloride 99% // 107-05-1 // A43930 	1 Can	Virgin-Pure
Details : We need the material		

Product Name	Qty	Grade
Aminomethane  CAS#:- 77-86-1	4 Tones	None
Details : Pharma application		

Product Name	Qty	Grade
TALL OIL 	1 Tones	Industrial
Details : Please inform best price, also please share it's GC & lab analysis report & it's COA.		

Product Name	Qty	Grade
Methacryloyl Chloride CAS# :- 920-46-7 	500 Kgs	Industrial
Details : Please share your best offer on basis FOR Ahmedabad along with the COA, delivery time, packing detail and payment terms.		

Product Name	Qty	Grade
Methacryloyl Chloride  CAS# :- 920-46-7	500 Kgs	Industrial
Details : Please share your best offer on basis FOR Ahmedabad along with the COA, delivery time, packing detail and payment terms.		

Product Name	Qty	Grade
Succinic Acid 99%-food grade chemical 	80 Kgs	Industrial
Details : Food Grade Chemical		


Subscribe Magazine Now: <https://www.chemicalmarket.net/Magazine/Subscribe>




# Buy Enquiries


Post your BUY Enquiries:

<https://www.chemicalmarket.net/search>

Product Name	Qty	Grade
Sodium Thiosulphate Powder 	5 Kgs	Industrial
Details : Photo cleaning		

Product Name	Qty	Grade
Nateglinide API [ENA16381]	20 Kgs	Industrial
Paroxetine HCl Hemihydrate API 	700 Kgs	Industrial
Flurbiprofen API	5 Tonnes	Industrial
Purified Water (Cas no:- 7732-18-5)	200 Ltrs	Industrial
Methanol (Cas no:- 67-56-1)	200 Ltrs	Industrial
HCL (Cas no:- 7647-01-0)	50 Ltrs	Industrial
Di-methyl Formamide (Cas no:- 68-12-2)	2 Kgs	Industrial
Copper(II) Acetate Mono Hydrate (Cas no:- 142-71-2)	5 Kgs	Industrial
Sodium Carbonate (Cas no:- 497-19-8)	25 Kgs	Industrial
Toluene (Cas no:- 108-8-3)	200 Ltrs	Industrial
2,3 Xylidine (Cas no:- 87-62-7)	25 Ltrs	Industrial
Ortho Chloro Benzoic Acid (Cas no:- 118-91-2)	50 Kgs	Industrial
Isopropyl Alcohol (Cas no:- 67-63-0)	200 Ltrs	Industrial
Dimethyl Sulphoxide (Cas no:- 67-68-5)	200 Ltrs	Industrial
N-Methyl Piperazine (Cas no:- 109-01-3)	50 Ltrs	Industrial
Ofloxacin Q Acid (Cas no:- 82419-35-0)	50 Kgs	Industrial
Formic Acid (Cas no:- 64-18-6)	25 Kgs	Industrial
Formaldehyde (Cas no:- 50-00-0)	50 Ltrs	Industrial
Dichloromethane (Cas no:- 75-09-2)	200 Ltrs	Industrial
Sodium Borohydride (Cas no:- 16940-66-2)	25 Kgs	Industrial
Methane Sulfonyl Chloride (Cas no:- 124-63-0)	25 Ltrs	Industrial
Acetic Acid (Cas no:- 64-19-7)	50 Ltrs	Industrial
Hydroxylamine hydrochloride (Cas no:- 5470-11-1)	25 Kgs	Industrial
Erythromycin Base (Cas no:- 114-07-8)	25 Kgs	Industrial
Propionic Anhydride (Cas no:- 123-62-6)	25 Kgs	Industrial
Sodium Lauryl Sulphate (Cas no:- 151-21-3)	25 Kgs	Industrial

MDC (Cas no:- 75-09-2)	200 Kgs	Industrial
Stearic Acid (Cas no:- 822-16-2)	25 Kgs	Industrial
Acetone (Cas no:- 67-64-1)	200 Ltrs	Industrial
Ammonia (Cas no:- 7664-41-7)	50 Kgs	Industrial
Hyflow (Cas no:- 61790-53-2)	50 Kgs	Industrial
Activated Carbon (Cas no:- 7440-44-0)	25 Kgs	Industrial
Ethyl Succinyl Chloride (Cas no:- 14794-31-1)	25 Kgs	Industrial
Sodium Bicarbonate (Cas no:- 144-55-8)	25 Kgs	Industrial
Sodium Hydroxide (Cas no:- 1310-73-2)	25 Kgs	Industrial
Ethyl Acetate (Cas no:- 141-78-6)	200 Ltrs	Industrial
Erythromycin thiocynate (Cas no:- 231-723-1)	50 Kgs	Industrial
(4R)-3-[(2S,5R)-5-(4-Fluorophenyl)-2-[(R)-[(4-fluorophenyl) amino] [4-[(trimethylsilyl)oxy]phenyl] methyl]-1-oxo-5-[(trimethylsilyl)oxy]pentyl]-4-phenyl-2-oxazolidinone (CAS NO:- 27277812-8)	500 Kgs	Industrial
(-)-1-[(4-Chlorophenyl)phenylmethyl]piperazine; (R)-1-(p-Chlorobenzhydryl)piperazine (CAS NO:- 300543-56-0)	100 Gms	Industrial
2-[2-[4-[(R)-(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]-acetamide (CAS NO:- 909779-33-5)	100 Gms	Industrial
Levocetirizine Dihydrochloride (CAS NO:- 130018-87-0)	100 Gms	Industrial
3-(Trifluoromethyl)-5,6,7,8-tetrahydro-triazolopyrazine Hydrochloride (CAS NO:- 762240-92-6)	2000 Kgs	Industrial
(3R)-N-(tert-Butoxycarbonyl)-3-amino-4-(2,4,5-trifluorophenyl)butanoic (CAS NO:- 486460-00-8)	2000 Kgs	Industrial
Carbonyl diimidazole (CAS NO:- 530-62-1)	2000 Kgs	Industrial
Details : Chemicals Required for Process development Lab Trials, More quantity required after test		


Product Name	Qty	Grade
Drums 	2000 Drums	NA
Details : HDPE drums Capacity 200 ltr, 250 ltr, 300 ltr. Please reply at the earliest. Needed on recurring basis		





# Buy Enquiries


Post your BUY Enquiries:


<https://www.chemicalmarket.net/search>


Product Name	Qty	Grade
Bromoacetaldehyde Dimethyl Acetal CAS NO:- 7252-83-7 	500 Kgs	Industrial
Details : We have the following requirement kindly send your best offer for the same with the lead time and specifications.		


Product Name	Qty	Grade
3-bromo-6-chloro-2-fluorobenzonitrile (CAS:- 943830-79-3) 	1000 Kgs	Technical
Bicyclo[3.1.0]hexane-3-one (CAS:- 1755-04-0)	1000 Kgs	Technical
D-expoxone (CAS:- 18422-53-2)	1000 Kgs	Technical
3,5-Difluoroaniline (CAS:- 372-39-4)	1000 Kgs	Technical
Methyl piperidine-4-carboxylate (CAS:- 2971-79-1)	1000 Kgs	Technical
Details : Please Contact for more info		


Product Name	Qty	Grade
PyBOP (Cas no- 128625-52-5)	1 Tonnes	Industrial
Ethyl Pyruvate (Cas no:- 617-35-6)	1 Kgs	Industrial
Details : 1) We have a requirement of the below Chemical kindly quote your best. Pricing along With Recent batch COA and lead time. We need 100kg, 500kg & 1400kg. 		
2) We have a requirement of the below Chemical kindly quote your best pricing along With COA and lead time.		


Product Name	Qty	Grade
TRANS,TRANS-2,4-HEXADIENYL ACETATE (Cas no:- 1516-17-2) 	10 Tonnes	Chemical
Butyllithium 23% in Hexane (Cas no:- 109-72-8)	2 Tonnes	Industrial
Details : 1) Provide MSDS/Packing certificate. 2) Unit: butyllithium content base 2ton/month , (450L cylinder, 800L Cylinder). Could you give me an estimate of FCL, COA?		


Product Name	Qty	Grade
Anti-Foam/Defoamer	13 Tonnes	Industrial
EDTA 48% / CAS#: 6381-92-6	3 Tonnes	Industrial
Details : Required for Affluent Treatment Plant, about 30T-40T of 40% EDTA would be required per oiler for cleaning. Payment Terms: On Delivery 		


Product Name	Qty	Grade
Methane Sulphonic Anhydride CAS NO:- 7143-01-3 	30 Kgs	Industrial
Details : Please quote the best price.		


Product Name	Qty	Grade
5-Fluorocytosine CAS# :- 2022-85-7	500 Kgs	Industrial
Delivery: CIP MUMBAI AIR Descripton:- Pls send best quote along with delivery period. 		

Product Name	Qty	Grade
Manganese Dioxide (90%) CAS# :- 1313-13-9	12 Tonnes	Technical
Payment terms : 1 Month Description:- Please send best quote along with COA/MSDS, & 4 Kg Sample required for testing purpose. 		

Product Name	Qty	Grade
1-Iodo-2,2-dimethylpropane CAS# :- 15501-33-4	500 Tonnes	Industrial
Details : 1. Quote us your best CIF Air (Shanghai, China) price. 2. Advise us the shortest leading time. 3. Attach your recent batch COA for quality approval. 		

Product Name	Qty	Grade
Detergent Solvent "Solveso 100 (C4 163-180 GOST 10214-78) 	2000 Ltrs	None
Solvent 646 GOST 18188-72	90 Ltrs	None
Leads : 1. Technical documentation such as drawings, datasheets and etc./ if applicable 2. All applicable material certificates (COC , MTC, Calibration ,etc.,) 3. Exact or approximate packing information and HS codes. 4. Delivery term we prefer FCA or DAP Baku & for EXW term Pick-up Address. 5. Price offer should be valid 1 month. Other Technical Details:- Color - transparent or yellowish Density at 200C - 0.860 gr./m3 Volatility (based on xylene) - 8 - 15 Sulfur content - 0.020% Ignition temperature (open crucible) - 270C		

Product Name	Qty	Grade
PeCeVis 100 PS // 39069090 // MBCC Group 	1 Tonnes	Any
Leads : Broadways Chemtech		

Product Name	Qty	Grade
Potassium Chloride 	100 Tonnes	Industrial
CAS#:- 7447-40-7 Details : By product low grade.		



## "Global Textile Chemicals Market Analysis Report 2023-2030: Market Thrives on Rising Demand for Performance-Enhancing Solutions

**D**UBLIN, Aug. 15, 2023 /PRNews-wire/ -- The "Textile Chemicals Market Size, Share & Trends Analysis Report By Process, By Product (Coating & Sizing Chemicals, Colorants & Auxiliaries), By Application (Apparel, Technical Textiles), By Region, And Segment Forecasts, 2023 - 2030" report has been added to ResearchAndMarkets.com's offering.

The global textile chemicals market is poised for significant growth, with an expected market size of USD 36.95 billion by 2030

The market is projected to experience a robust Compound Annual Growth Rate (CAGR) of 4.4% from 2023 to 2030, fueled by increasing demands for textile products across diverse applications, including apparel, home furnishing, and technical textiles.

The surge in demand for textile products, particularly from the apparel industry, is a primary driver behind this growth trajectory. The allure of modern and attractive furniture products in the

home furnishing sector, especially in developing economies, is also expected to contribute positively to market expansion.

The textile manufacturing industry relies on various process chemicals to imbue fabrics with a wide array of performance features during production. These encompass biopolishing enzymes, flame retardants, desizing enzymes, antiviral/antimicrobial agents, lubricating/anti-crease agents, water and oil repellents, printing auxiliaries, and softening agents.

The landscape of textile chemicals is evolving, with new application areas emerging based on existing operations and technologies. These innovations are designed to enhance efficiency, reduce costs, minimize environmental impacts, and ensure the effectiveness of formulations. The product's applications span across apparel, home furnishing, technical textiles, and other sectors. Notable end-users include STYLUS APPAREL, HYAK DESIGN GROUP, Suuchi Inc., TechniTextile Quebec, and Stafford Tex-

tiles Limited.

Key to the manufacturing of textile chemicals is the availability of raw materials at favorable costs. In this competitive market, successful product commercialization, investments in production capacity, and strategies such as manufacturing yarn lubricants, finishing agents, and coating & sizing agents stand as essential tactics for market players.

The textile chemicals market is characterized by intense competition, attributed to the substantial presence of manufacturers with a global reach. Leading industry players encompass Dow, Huntsman International LLC, The Lubrizol Corporation, Archroma, Evonik Industries AG, and Solvay S.A.

As the market continues to evolve, these key players are expected to shape the industry's trajectory through innovation and strategic growth initiatives.

Read the full report : [press@researchandmarkets.com](mailto:press@researchandmarkets.com) If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

## Global Sustainable Aviation Fuel Industry Research Report 2023-2033: From \$1.29 Billion to \$131.12 Billion - Elevating Sustainability to New heights

**D**UBLIN, Aug. 15, 2023 /PRNews-wire/ -- The "Sustainable Aviation Fuel Market - A Global and Regional Analysis: Focus on Application, Engine Type, Fuel Type, Manufacturing Tech-

nology, Blending Capacity, and Country - Analysis and Forecast, 2023-2033" report has been added to ResearchAndMarkets.com's offering.

The sustainable aviation fuel (SAF) market is projected to be valued at \$131.12 billion by 2033 from \$1.29 billion in 2023, growing at a staggering CAGR of 58.78%



The sustainable aviation fuel (SAF) market has emerged as a crucial and rapidly growing sector within the aviation industry, driven by the urgent need to reduce greenhouse gas emissions and mitigate the impact of aviation on climate change. SAF, also known as biojet fuel, is derived from sustainable feedstocks such as agricultural waste, algae, and renewable energy sources. With its potential to revolutionize aviation and contribute to a greener future, the sustainable aviation fuel market presents significant opportunities for innovation, collaboration, and positive environmental impact.

Sustainable aviation fuel (SAF) is now seeing a remarkable increase in attention and usage on a worldwide scale. Cleaner substitutes for conventional jet fuels are urgently needed in light of rising worries about climate change and the negative environmental effects

of the aviation sector. Hence, a workable answer has been provided by SAF, which is produced from sustainable feedstocks such as biomass, used cooking oil, or hydrogen. Progress in the industry is being driven by cutting-edge technology and partnerships, which have boosted companies' SAF manufacturing capacity, improved supply chain logistics, and reduced prices. To encourage the implementation of SAF and provide a more sustainable future for air transport, issues including scalability, feedstock supply, and regulatory frameworks must be resolved.

#### Industrial Impact

The sustainable aviation fuel and technological advancements in the field are expected to have a positive impact on the global market for sustainable aviation fuel. Several organizations and government agencies are working to introduce newer manufacturing techniques

into the global sustainable aviation fuel market. When compared to different sustainable aviation fuel products, such as different fuel types, the demand for biofuel stands out as the fuel that is currently in high demand.

In recent years, sustainable aviation fuel has registered an exponential surge in demand from the commercial aviation industry, with high demands for business and general aviation. Additionally, due to the increasing environmental concerns, sustainable aviation fuel has grown in significance during the past few years.

Read the full report : <https://www.researchandmarkets.com/r/41bh26>

If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)

## Cleancult's Laundry Detergent Refill Recognized In Good Housekeeping's 2023 Best Cleaning & Organizing Awards

NEW YORK, Aug. 15, 2023 / PRNewswire/ -- Cleancult today announced that its Laundry Detergent Refills were awarded Good Housekeeping's prestigious 2023 Best Cleaning & Organizing Award. Selected winners can be found in the September 2023 issue of Good Housekeeping, on stands August 15th and the full list is available online at: [goodhousekeeping.com/home-products/a44372491/cleaning-and-organizing-awards-2023/](https://goodhousekeeping.com/home-products/a44372491/cleaning-and-organizing-awards-2023/)

Founded with the promise to redefine clean, Cleancult is on a mission to help people switch from a bad plastic habit to a cleaner refill ritual. Cleancult is the first company in the world to package soap and detergents in patented, 100% recyclable paper-based cartons with unique reusable glass bottles as sustain-

able alternatives to plastic. When paired together, 90% of plastic waste is cut out of the cycle, meeting the demands of their growing wave of no-plastic fanatics. Available in Wild Lavender, Juniper Sandalwood, and Fragrance-Free, Cleancult's detergents are packed with three powerful enzymes that defeat stains and odors and deliver fresh, clean clothes no matter what temperature of water or type of machine is used.

"At Cleancult, a clean home should not come at the cost of a clean planet. Through our paper-based carton model and uncompromising dedication to getting the formula right, we have bridged the gap between creating a product that's as good for us and the environment as it is efficacious," said Ryan Lupberger, Co-Founder and CEO of Cleancult. "To

be recognized with Good Housekeeping's 2023 Best Cleaning & Organizing Awards is a proud feat for us that testifies to our Laundry Detergent Refill's capacity to powerfully clean while ridding plastic from the never-ending laundry ritual."

Cleancult's award-winning 32 fl. oz Laundry Detergent Refills can be shopped at [www.cleancult.com](http://www.cleancult.com), Walmart, Walmart.com, Walgreens, Harris Teeter, Giant, Cub, and [www.amazon.com](http://www.amazon.com). To learn more about Cleancult's full suite of sustainable home care cleaning products, visit the website or follow us at @Cleancult.

Read the full report : [www.cleancult.com](http://www.cleancult.com), If you want your report abstract to be published please contact [info@chemicalmarket.net](mailto:info@chemicalmarket.net)



# Master Perfumer Christophe Laudamiel Joins Osmo to Develop New Perfume Molecules and Effects via Unique AI Technologies

CAMBRIDGE, Mass., Aug. 23, 2023 /PRNewswire/ -- Osmo, a pioneer in AI and scent, is pleased to announce the hiring of Master Perfumer Christophe Laudamiel. Laudamiel has 25 years of experience in fine fragrance creations, composing widely acclaimed scents for brands or personalities like Abercrombie & Fitch, Beyoncé, Estée Lauder, Thierry Mugler, and Tom Ford, as well as for museums and art installations. Also a graduate chemist, he has won numerous accolades, including Chemistry Olympiads medals and a lifetime achievement award from the Los Angeles Institute of Art and Olfaction.

As Osmo's newly appointed Master Perfumer, Laudamiel will help guide the Cambridge-based startup in bridging traditional fragrance industry expertise and innovative approaches to fragrance development. In addition to creating scents that replicate existing smells, he aims to shape novel perfume styles of the future, utilizing ingredients with new smells and artistic effects.

"I am thrilled to be joining the Osmo team building the world's first AI platform for scent molecule discovery," said Laudamiel. "The fragrance industry has mastered complex plant extractions, scent chemistries, and manufacturing at scale. But when it comes to discovering new scent molecules, there is a new opportunity to explore the billions of untapped molecules that human noses cannot screen on their own."

Computers have been able to digitize vision and hearing, but not smell—our deepest and most complex sense. Osmo

brings together frontier AI and olfactory science to solve this historic challenge. The company has already built an AI system that rapidly discovers novel fragrance ingredients and has created notes praised by master perfumers, industry experts, and double-blind odor panels. One of its first steps to giving computers a sense of smell is to use its AI-based map of odor to build safe and environmentally-friendly fragrance ingredients.

The fragrance industry relies on ingredients that are becoming increasingly limited due to stricter safety, sustainability, and environmental standards. To develop replacements for these ingredients, chemists currently rely on manual methods or modify existing molecules until they obtain a promising candidate. Osmo's technology is improving this process by accelerating the search for ingredients that meet these higher standards and bringing more focus and consistency to fragrance development.

**"Our technology is designed to complement the best expertise of the fragrance industry, by augmenting the skills of mas-**

**ter perfumers," said Alex Wiltschiko, CEO of Osmo. "We are excited to welcome Christophe, a unique talent who embraces novel scent chemistry and engineering to elevate his art. As one of the earliest members of our team, he strengthens our commitment to creating fragrances that not only delight consumers but are also sustainable and environmentally responsible."**



As Osmo moves forward with this exciting new partnership, the company remains committed to its mission of giving comput-

ers a sense of smell. Its odor-mapping technology can lead to new products that promote better health, enhance culinary experiences, and even create new forms of artistic expression. With Christophe Laudamiel on board, Osmo will continue bringing artistry and technology together—to pursue the highest levels of scientific innovation and to improve well-being globally.

Source : PRNewswire





**UNIVAR SOLUTIONS AND CLIMAX MOLYBDENUM COMPANY STRENGTHEN LUBRICANTS PARTNERSHIP WITH EXCLUSIVE DISTRIBUTION AGREEMENT INTO THE LATIN AMERICAN MARKET**

DOWNERS GROVE, Ill., Aug. 17, 2023 /PRNewswire/ -- Univar Solutions Inc. ("Univar Solutions" or "the Company"), a leading global solutions provider to users of specialty ingredients and chemicals, and Climax Molybdenum Company, the world's largest producer of molybdenum and molybdenum-based chemicals, today announced a geo-expansion of the companies' existing partnership for molybdenum products, including Molysulfide® used in greases and coatings applications.



**"As a leading global distributor of specialty chemicals, we recognize the growing worldwide demand for high quality molybdenum prod-**

**ucts. Building upon our existing relationship and collaboration with Climax, expanding into new regions is a high priority as it expands our product offering and allows us to provide Climax's noncontract lubricants customers in the United States and Latin America reliable access to these key elements and chemistries," said Federico Montaner, global vice president of lubricants & metalworking fluids for Univar Solutions. "We look forward to continuing to work together to meet and exceed the highest standards for quality and dependable supply sourcing which our valued customers have come to expect and deserve."**

Molysulfide® is a lubricant grade molybdenum disulfide (MoS<sub>2</sub>) and is available in three grades: Technical, Technical Fine, and Super Fine. Molybdenum complexes are soluble in petroleum oils and other organic solvents, increase load carrying capacity, and are increasingly used as anti-wear and extreme pressure additives, as well as friction reducing modifiers, in lubricating oils, specialized lubricating greases, and coatings. The additives form films on metal sur-

faces to protect against wear after base lubricants are removed by heat, pressure or motion, and are used in applications such as automotive chassis greases and tool joint compounds.

"As the only fully integrated domestic (U.S.) producer of molybdenum, Climax's global operations and local customer care provide our worldwide partners with the most reliable supply and highest quality molybdenum products," said Michael Kendrick, President-Climax Molybdenum Co. "We have developed a Responsible Care® Policy as part of our commitment to the Principles of Responsible Care® and to product and process safety, environmental stewardship, health, and security at our global operations. We're excited to expand our relationship with Univar Solutions, a company likewise committed to helping our mutual customers develop and bring forward more sustainable solutions now and into the future."

Univar Solutions' expansive portfolio contains quality chemistries that are used in the creation of metalworking fluid and coolant products such as base stocks and performance-enhancing additives sourced from the most reputable industry suppliers. No other chemical and ingredients distributor can match our breadth and depth of knowledge, premier product portfolio, experience, and reach. Whether operating on a global or regional level, Univar Solutions can consistently provide suppliers and customers with the latest comprehensive technical, regulatory, market trend, and sourcing support in lubricants and metalworking fluids.

For more information about Univar Solutions' lubricants and metalworking fluids business, visit [univarsolutions.com/industries/lubricants-metalworking](http://univarsolutions.com/industries/lubricants-metalworking).

Source : PRNewswire



## TOSHIBA LAUNCHES AUTOMOTIVE 40V N-CHANNEL POWER MOSFETS WITH NEW PACKAGE THAT CONTRIBUTES TO HIGH HEAT DISSIPATION AND SIZE REDUCTION OF AUTOMOTIVE EQUIPMENT

Toshiba Electronic Devices & Storage Corporation ("Toshiba") has launched two automotive 40V N-channel power MOSFETs, "XPJR6604PB" and "XPJ1R004PB," that use Toshiba's new S-TOGL™ (Small Transistor Outline Gull-wing Leads) package with U-MOS IX-H process chips. Volume shipments start today.

Safety-critical applications like autonomous driving systems ensure reliability through redundant design, with the result that they integrate more devices and require more mounting space than standard systems. Accordingly, advancing size reductions in automotive equipment requires power MOSFETs that can be mounted at high current densities.

XPJR6604PB and XPJ1R004PB use Toshiba's new S-TOGL™ package (7.0mm×8.44mm[1]) which features a post-less structure unifying the source connective part and outer leads. A multi-pin structure for the source leads decreases package resistance.



The combination of the S-TOGL™ package and Toshiba's U-MOS IX-H process achieve a significant On-resistance reduction of 11% against Toshiba's TO-220SM (W) package product[2], which has the same thermal resistance characteristics. The new package also cuts the required mounting area by approximately 55% against the TO-220SM(W) package. On top of this, the 200A drain current rating of the new package is higher than Toshiba's similarly sized DPAK + package (6.5mm×9.5mm[1]), enabling high current flow. Overall, the S-TOGL™ package realizes high-density and compact layouts, reduces the size of automotive equipment, and contributes to high heat dissipation.

Since automotive equipment is used in extreme temperature environments, the reliability of surface mounting solder joints is a critical consideration. The S-TOGL™ package uses gull-wing leads that reduce mounting stress, improving

the reliability of the solder joint.

**Assuming that multiple**

**devices will be connected in parallel for applications requiring higher-current operation, Toshiba supports grouping shipment[3] for the new products, in which the gate threshold voltage is used for grouping. This allows designs using product groups with small characteristic variation. Toshiba**

**will continue to expand its product line-up of power semiconductor products and contribute to the realization of carbon neutrality with more user-friendly, high-performance power devices.**

Source : Automotive Technology

## MAGNA SET TO PRESENT CAR OF THE FUTURE SOLUTIONS AT IAA MOBILITY 2023: SHOWING INNOVATIONS FOR A BETTER WORLD OF MOBILITY

IAA 2023 in Munich is fast approaching and Magna will once again be participating, showcasing its position in the automotive industry and innovative solutions supporting the Car of the Future that are contributing to a better world of mobility. Magna will be located in IAA Hall B2 at the company's exhibit booth, D40.

Throughout the show, the company will highlight 'The Power of Magna' encompassing an integrated systems approach to electrification, active safety, connectivity and more.

The mobility technology company will also debut a modular software platform for electrified vehicles which includes advanced and predictive vehicle functions for energy and motion control, independent of the powertrain layout and E/E architecture.



**“The Power of Magna is our ecosystem of interconnected products and complete vehicle expertise designed to deliver solutions like no other supplier can,” said Uwe Geissinger, Executive Vice President and President of Magna Europe. “We are delivering technologies to automakers that are enabling them to address consumer challenges and support them in the accelerated shift toward a safer, more sustainable future in mobility.”**

Two additional Magna innovations being showcased in Munich for the first time are the company’s Mezzo™ Plus featuring Morphing Surfaces, and Thermoplastic Tailgate with Breakthrough Lighting solutions.

Source : Magna

**SABIC’S STAMAX™  
30YH570 RESIN IS  
FIRST POLYMER  
TO EARN A UL  
VERIFIED MARK FOR  
THERMAL RUNAWAY  
PROTECTION OF EV  
BATTERY SYSTEMS**

SABIC, a global leader in the chemical industry, today announced that its STAMAX™ 30YH570 resin has earned the UL Verified Mark from Underwriters Laboratories. This 30 percent

glass fiber-reinforced copolymer resin, a featured product offered under the company’s BLUEHERO™ electrification initiative, is the first polymer used in electric vehicle (EV) battery systems to receive UL Verification for marketing claims of thermal and mechanical performance. UL Verification, based on an objective, scientific assessment by a respected third party, can give customers high confidence in the flame delay performance of this product.

The vast majority of EV batteries perform without issues throughout their useful life. Although thermal runaway incidents are extremely infrequent, the safety-conscious automotive industry is highly focused on ensuring that the design and performance of EV battery systems prolong the time available to exit a vehicle by delaying the propagation of a fire beyond the battery pack for as long as possible. A key consideration is the proper selection and deployment of fire protection materials used for battery pack components, including enclosures and covers, trays, thermal barriers that separate cells into groups, etc.

According to Venkatakrishnan Umamaheswaran (UV), SABIC’s global Automotive Marketing director: “UL Verification for the thermal runaway protection of STAMAX 30YH570 resin is a significant milestone in our development of polymer materials for today’s rapidly evolving EV battery systems. This recognition not only underscores the exceptional performance and safety features of our polymer, but also reinforces the importance of our BLUEHERO initiative. By providing cost-effective, lightweight plastic solutions, SABIC is helping to advance EV technology.”

Thermal runaway box testing according to UL 2596, Test Method for Thermal and Mechanical Performance of Battery Enclosure Materials, demonstrated that STAMAX 30YH570 resin withstood an internal box pressure of 250 kPa and an internal box temperature of 420°C.

Results were based on three replicate tests, with a panel thickness of 4mm. The SABIC material features an intumescent capability that helps with fire suppression. Its other key properties include high stiffness and strength and easy processing.

**This UL Verification serves as further validation of SABIC’s continued progress under its BLUEHERO initiative in demonstrating the performance advantages of thermoplastics over outdated steel and other metals for battery packs. These benefits include weight and cost reduction, increased functional integration, and enhanced electrical and thermal insulation.**

Source : Sabic

**JLR CREATES NEW  
RENEWABLE ENERGY  
STORAGE SYSTEM  
FROM USED CAR  
BATTERIES**

JLR has partnered with Wykes Engineering Ltd, a leader in the renewable energy sector, to develop one of the largest energy storage systems in the UK to harness solar and wind power using second-life Jaguar I-PACE batteries.

A single Wykes Engineering BESS utilises 30 second-life I-PACE batteries, and can store up to 2.5MWh of energy at full capacity. The batteries supplied have been taken from prototype and engineering test vehicles, and JLR aims to



supply enough batteries to store a total of 7.5MWh of energy – enough to power 750 homes for a day – by the end of 2023. After this point more containers can be created to house additional second-life batteries removed from used production vehicles in the future.



Each BESS, which is linked to an advanced inverter to maximise efficiency and manage energy, is capable of supplying power direct to the National Grid during peak hours as well as drawing power out of the grid during off-peak hours to store for future use.

Battery storage systems like this are critical to decarbonising the Grid, as they can deal with rapid peaks in demand, and maximise solar and wind energy capture during sunny or windy conditions for use when needed.

As part of the technical collaboration, Wykes Engineering and JLR have achieved seamless integration, with no need for additional manufacturing steps or the removal of battery modules. The batteries are simply removed from the Jaguar I-PACE and slotted into racks in the containers on-site, helping to maximise the sustainability of the project.

The partnership represents an important step in JLR's adoption of circular economy principles, part of the business' strategy to achieve carbon net zero by 2039.

Second-life battery supply for stationary applications, like renewable energy storage, could exceed 200 gigawatt-hours per year by 2030, creating a global value over \$30 billion\*\*. JLR's batteries are engineered to the highest standards and can therefore be deployed in low-energy situations once their health falls below the stringent requirements of an electric vehicle, which typically leaves a 70-80% residual capacity.

Reusing vehicle batteries will create new circular economy business models for JLR in energy storage and beyond.

Once the battery health falls below the required level for these second-life use cases, JLR will recycle the batteries so that raw materials can be recovered for re-use as part

of a true circular economy.

**Our sustainability approach addresses the entire value chain of our vehicles, including circularity of EV batteries. Our EV batteries are engineered to the highest standards and this innovative project, in collaboration with Wykes Engineering, proves they can be safely reused for energy sector application to increase renewable energy opportunities. Using the 70-80% residual capacity in EV batteries, before being recycled, demonstrates full adoption of circularity principles.**

Source : JLR

**CATL'S NEW EV BATTERY CHARGES 400 KM RANGE IN 10 MINUTES**

GUANGZHOU -- Chinese automotive battery giant CATL introduced a battery Wednesday that delivers 400 kilometers on a single charge of 10 minutes, with the new cell to be equipped in more affordable electric vehicle models.

**The lithium iron phosphate (LFP) battery features modified electrode materials and an electrolyte mix that speeds charging while retaining safety. The ShenXing battery is resistant to performance issues even in the cold, said CATL, or Contemporary Amperex Technology.**

EVs equipped with the latest battery are expected to hit the market in early 2024.

The ShenXing surpasses by about 30% the roughly 300 km range that an electric vehicle recently released by Chinese startup Xpeng Motors can add on a similar charging time.

Vehicles featuring super fast charging tend to come with a price tag of over 400,000 yuan (\$54,830) and are generally categorized as upscale models.

But this is a fast-charging technology "for everyone," CATL Chief Scientist Wu Kai said Wednesday, hinting that the major Tesla supplier seeks to provide the latest battery for less expensive models.

CATL remained the world's top EV battery manufacturer in the first half of 2023, commanding 36.8% of the global market, according to South Korea's SNE Research.

Source : Nikkei Asia



**INEOS STYROLUTION  
INTRODUCES NEW ASA  
GRADE TO ADDRESS  
THE GROWING  
MARKET OF SMALL  
MEDICAL DEVICES FOR  
HOME AND HOSPITAL**

**L**uran® S MED 797S SPF30: One of the first ASA[1] materials in the market specifically for medical device housings. High impact and UV resistance with good processability and strong chemical resistance against disinfectants. Also compliant with ISO 10993-5/10[2]. Luran® S ECO MED 797S SPF30 BC40: Also available using renewable feedstock.

Frankfurt, August 15, 2023 - INEOS Styrolution, the global leader in styrenics, today announced the introduction of a new ASA “MED” material dedicated to applications in the healthcare industry. It was designed specifically having small medical device housings and casings in mind.

The new Luran S MED 797S SPF30 is a member of INEOS Styrolution’s ASA product family Luran S. Luran S excels with strong property performance such as chemical resistance, UV resistance, and impact strength. Suitable for injection moulding applications, Luran S offers excellent flowability for easy processing.

Luran S MED 797S SPF30, available in NR (Natur) and in white (WT000112),

builds on these strengths. The product shows excellent chemical resistance against alcohols (e.g. IPA, ethanol, propanol) or alcohol based disinfectants. It also shows good resistance against quaternary ammonium or glutaral based disinfectants making it a material of choice for clinical environments.

High impact strength specifically at room temperature and at lower temperatures (5°C) contribute to a better protection of devices, e.g. avoiding cracking failures when a device drops to the floor. This particular performance trait makes Luran S MED 797S SPF30 a compelling alternative to standard ABS materials.



The new Luran S grade is also available using renewable feedstock, based on a mass balance process certified under ISCC PLUS. Luran S ECO MED 797S SPF30 BC40 contains 40% renewable content resulting in a carbon footprint reduction of up to 52% compared to fossil-based Luran S.

**Bernd Elbert, Market Development Manager at INEOS Styrolution says:**  
**“The market segment of small, mobile medical and hospital devices is growing rapidly. The properties of our new Luran S MED 797S SPF30 make it a very strong contender for device housings and casings in this specific category. I invite every application designer**

**to explore our new product for their next project.”**

Source : Press Release

**BDR PHARMA  
LAUNCHES  
DALBONOVA  
INJECTION FOR ACUTE  
BACTERIAL SKIN  
INFECTIONS**

**B**DR Pharmaceuticals International has launched Dalbonova Injection for the treatment of acute bacterial skin and skin structure infections caused by designated susceptible strains of Gram-positive microorganisms. This drug will be available as a 500 mg injection.

According to the latest data from the World Health Organization (WHO), in 2023 there were an estimated 11.5 million cases of Acute bacterial skin and skin structure infections (ABSSSI) in India. This represents a 15 per cent increase in the number of cases from 2022. The male-to-female ratio for ABSSSI in India is 1.2:1. This means that men are about 20 per cent more likely to develop ABSSSI than women. Children under the age of five and people over the age of 65 throughout India have the highest incidence of ABSSSI. The incidence of ABSSSI varies by area in India as well, with Gujarat, Rajasthan, and Uttar Pradesh, to mention a few, having the highest rates. Certain population groups in India, such as those with diabetes, HIV/AIDS, and poverty, bear a disproportionately high burden of ABSSSI.



**Dalbonova offers single-dose therapy for acute bacterial skin and skin structure infections (ABSSI) in patients of all ages, including newborns. A company statement informed that this approach simplifies treatment, eliminates the need for hospital admissions, and reduces the risk of hospital-acquired infections. Dalbonova's dosing regimen offers convenience and effectiveness as patients can opt for a potent single-dose of 1500 mg or a comprehensive two-dose regimen of 1000 mg followed by 500 mg after one week.**

Source : Express Pharma

## **SANYOU, SINORDA PARTNER TO ADVANCE BISPECIFIC ANTIBODY DRUG DEVELOPMENT**

Sanyou Biopharmaceuticals and Sinorda Biomedicine entered into a strategic cooperation agreement to advance innovative bispecific antibody drug development.

The collaboration will leverage Sanyou's core technology platform for integrated R&D and preclinical development and "super-trillion innovative biologics discovery platform", and Sinorda's experience in preclinical and clinical oncology immunotherapy.

Pingsheng Hu, CEO of Sinorda, said, "Sinorda focuses on the research and development of innovative drug and industrialization of oncology immunotherapy. Our partnership with Sanyou merges our strengths, accelerating the drug development process and transforming innovative achievements into reality faster. This collaboration improves treatment choices for patients. With this shared vision, we can work together to advance innovative drug products and contribute to human health."

**Guojun Lang, CEO of Sanyou, said, "We're truly honored to establish a strategic cooperation with Sinorda. Their strong scientific and medical expertise, robust clinical capabilities, and extensive experience in industrial collaboration perfectly align with Sanyou. Both Sanyou and Sinorda share the common goal of using biopharmaceutical technology to enhance human health. Our combined strengths and robust collaboration will open new opportunities and forge a pioneering model of cooperation between innovative drug research and development services and pharmaceutical enterprises."**

Source : World Pharma Today

## **INTRODUCING BIORELIANCE® ANALYTICAL DEVELOPMENT SERVICES FOR MRNA- BASED VACCINES AND THERAPEUTICS**

ROCKVILLE, Md. — 14 August 2023 – MilliporeSigma has launched its BioReliance® mRNA Analytical Development Services. With their expertise and advanced capabilities, they are set

to empower researchers and developers in unlocking the full potential of mRNA-based vaccines and therapeutics. MilliporeSigma has been helping to shape the biosafety testing industry for 75+ years and has been at the forefront of innovation in testing services. This latest mRNA service offering is no exception. Their dedicated team of scientists has developed a comprehensive suite of analytical services specifically designed to meet the unique challenges of mRNA-based vaccines and therapies. Here are a few highlights of their mRNA Analytical Development Services:

- mRNA characterization: Utilizing state-of-the-art technologies, they offer a comprehensive analysis of mRNA molecules, providing detailed information on identity, potency, purity, and safety. Their cutting-edge methodologies ensure accurate and reliable results to guide the research and development process.
- Complete mRNA testing solutions: They provide comprehensive analytical development and testing throughout the mRNA journey, from plasmid DNA to the mRNA drug substance through the final mRNA-LNP drug product. Their assay packages and phase-appropriate assay development and validation capabilities provide the product and process knowledge required to develop a Quality Target Product Profile (QTPP) and identify the Critical Quality Attributes (CQAs).
- Customized solutions: They understand that every vaccine and therapeutic candidate is unique and offer tailored solutions to meet specific client requirements. Their team of experts collaborates with clients, providing personalized support and guidance throughout the analytical development process.

Source : Biopharmadive



**EUCLID CHEMICAL  
OPENS NEW  
ADMIXTURE PLANT IN  
CALGARY**

Euclid Chemical, a leading manufacturer of concrete and masonry construction products, has announced the opening of a new admixture plant in Calgary, Alberta. This facility will enable the company to the opening of a new admixture plant in Calgary, Alberta. This facility will enable the company to better serve its customers in the region by providing high-quality admixture solutions that meet their needs.

Positioned in a prime location with access to nearby railways and major transportation routes, this newly established facility ensures quick and efficient product delivery throughout the area. The Calgary plant will improve overall service levels by reducing lead times and ultimately delivering a better customer experience.

The newly operational facility is equipped with the latest equipment and technology, including advanced mixing and batching systems that provide accurate and consistent dosing of admixture ingredients. Euclid Chemical's team of skilled and experienced on-site technicians operate the plant and confirm that every batch of admixture meets strict quality standards before being shipped to customers.

**“The Calgary plant represents a significant step forward in our journey to enhance customer satisfaction and meet the growing demand in Canada,” said**

**Thomas Gairing, President of Euclid Chemical. “We are committed to providing quality products and services while constantly improving our operations and capabilities to better serve our customers.”**

Source : Indian Chemical

**SUMITOMO CHEMICAL  
TO PRODUCE  
PIONEERING ULTRA-  
FINE ALUMINA  
PRODUCTS (NXA  
SERIES) CREATING  
NEW MARKETS  
THROUGH  
INNOVATIONS  
IN INORGANIC  
MATERIALS**

Sumitomo Chemical has achieved groundbreaking success in pioneering production technology for ultra-fine  $\alpha$ -alumina, set to start mass production from September this year with its recently established manufacturing capabilities at its Ehime Works. Collaborating with its customers, the Company will create new markets in the ICT, energy-saving and life science fields through technological innovations in inorganic materials. In FY2025 the company seeks to achieve a 30% increase in sales revenue in its ultrahigh purity alumina business compared to FY2023.

Alumina materials made by calcining aluminum hydroxide at high temperatures, purity levels of 99.99% or more are called ultrahigh purity alumina. The new products to be mass-produced are the NXA series products, which are ultra-fine grade of  $\alpha$ -alumina products mainly used in industrial products. They are characterized by homogeneous ultra-fine particles with a particle size of 150 nm (0.15  $\mu$ m) or less. In comparison to its products with relatively large particle sizes, this is approximately one two-hundredth of the size of the Company's products having relatively large particle sizes.

**As a leader in the field of ultra-high purity alumina Sumitomo Chemical has wide selection of product grades, with not only outstanding quality and stability, but also the ability to meet diverse customer needs. That is why its alumina products have been used in a wide range of applications, including energy-related sectors, such as in lithium-ion battery separators, as well as in the ICT sector, mainly for LED substrates and semiconductor thermal materials. With ultrafine particles and easy to sinter characteristics, the new grades are expected to be used as polishing agents for next-generation semiconductors, as well as in such cutting-edge areas**



**as components for semiconductor manufacturing equipment requiring high strength and chemical resistance and in new fields requiring both high strength and aesthetic qualities, such**



**as artificial joints and dental products in the life sciences field.**

Sumitomo Chemical will continue to expand its business in this field by driving technological inorganic innovation and providing timely solutions to its customers.

Source : Sumitomo Chemical

## **BRASKEM AND SCG CHEMICALS JOIN FORCES TO ADVANCE IN THE BIO-BASED ETHYLENE PROJECT IN THAILAND**

**R**OTTERDAM, Netherlands--(BUSINESS WIRE)--Braskem, the leading global biopolymer producer, and SCG Chemicals, a leading petrochemical company in Thailand and Southeast Asia, have signed a joint venture (JV) agreement to create Braskem Siam Company Limited. Subject to clearance

from the relevant anti-trust authorities and final investment decision by the partners, this joint venture aims to produce bio-ethylene from bio-ethanol dehydration and to commercialize I'm green™ bio-based polyethylene (PE), using the EtE EverGreen™ technology. The technology results from the partnership agreement between Lummus Technology LLC and Braskem B.V. to develop and license this technology.

I'm green™ bio-based polyethylene is a plastic made from a sustainably sourced renewable raw material (ethanol from sugar cane) instead of traditional fossil feedstock (e.g., naphtha from oil). This promotes a significant reduction of the plastic's carbon footprint which helps combat Climate Change. I'm green™ bio-based polyethylene is used in a variety of products, from packaging for food and beverage to personal and home care products, toys, houseware, and plastic bags, to name a few. It can also be mechanically or chemically recycled just as regular polyethylene.

The bio-ethylene plant, that will enable the production of the I'm green™ bio-based polyethylene is the first of its kind outside of Brazil. The new plant in Thailand will almost double the existing capacity of I'm green™ bio-based polyethylene to meet the growing demand for biopolymers globally, with a focus on the fast-growing demand for sustainable products in Asia.

The combination of Braskem's bio-based plastics know-how with SCG Chemicals' position in the Asian market and expertise in PE production provides a solid business basis for the joint venture. Braskem will contribute with proven technology through its partnership with Lummus Technology, operational experience in the ethanol dehydration process and the I'm green™ brand strength in key global markets. SCG Chemicals will provide expertise in high-quality polyethylene grades for different applications, operational excellence in poly-

ethylene manufacturing and market reach in Southeast Asia.

**Roberto Bischoff, CEO of Braskem said: "We are always looking for opportunities to expand the I'm green™ bio-based PE offer to deliver circular low carbon alternatives to our customers to meet their increasing demand for sustainable solutions. This partnership with SCG Chemicals is aligned with our commitment to produce 1 million tons of green products by 2030, replacing fossil with renewable feedstock, and contributing to lowering the carbon footprint of our industry."**

Tanawong Areeratchakul, Chief Executive Officer and President of SCG Chemicals Public Company Limited or SCGC adds: "SCGC aims to develop Green Innovation, for example, environmentally friendly polymer (Green Polymer) and innovation for Low Carbon solution through increasing Green Polymer product portfolio to reach 1 million tons annually by 2030 following ESG standards (Environmental, Social, and Governance). This joint venture and partnership between SCGC and Braskem for bio-ethylene production for Green Polymer is one of the essential strategies of SCGC to expand our green business, satisfying the soaring demand from megatrend of environmentally friendly plastic which has a robust growth rate, especially in Asia and Europe. Thus, this joint venture aims to produce sugarcane-derived bio-ethylene instead of fossil ethylene, by world-leading technology from the collaboration of Braskem-Lummus. The business of the joint venture is in accordance with the guidelines for the development of the Bio-Circular-Green Economy: BCG model of Thailand".

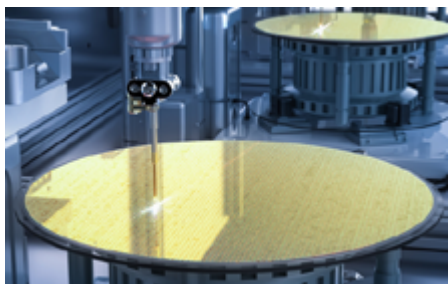
Source : Business Wire





**DIC DEVELOPS ENVIRONMENT-FRIENDLY HIGH-PERFORMANCE PFAS-FREE SURFACTANTS**

DIC Corporation recently announced the development of the MEGAFACE EFS series of environment-friendly surfactants that deliver a performance rivaling that of conventional fluorosurfactants despite not containing perfluoroalkyl and polyfluoroalkyl substances (PFASs). These new products are suitable alternatives to fluorosurfactants for diverse applications, including displays, semiconductors, automobiles and coatings.



The Company will promote the series in Japan, other East Asian markets, Europe and the United States, among others, targeting industries ranging from electronic materials to electric vehicles (EVs) and batteries, and aims to achieve annual sales of ¥5 billion by fiscal year 2030.

Fluorosurfactants, added in small amounts, lower the surface tension of liquids, improving emulsification and surface activity. They thus play a key role in detergents, coatings and industrial products, among others. However, concerns regarding latent environmental risks associated with PFASs have prompted debate over regulating these substances, particularly in Europe and the United States. This has driven up demand for the development of PFAS-free alternatives to fluorosurfactants.

DIC embarked on the development of a PFAS-free surfactant in a proactive response to rising global needs for sustain-

able alternatives to fluorosurfactants. Leveraging its proprietary technologies and environment-friendly raw materials, the Company succeeded in creating the MEGAFACE EFS series of products boasting surface activity equal to or better than that of conventional fluorosurfactants. While realizing PFAS-free surfactants that rival fluorosurfactants on the performance front has been seen as a difficult challenge, DIC has achieved this goal with the MEGAFACE EFS series of products with an ability to reduce surface tension as good or greater than that of fluorosurfactants, thereby ensuring excellent coating uniformity (leveling behavior).

Customers who usually use fluorosurfactants have rated the new series highly. Going forward, DIC will seek to build a market-leading position

by offering these products globally as an alternative that contribute to the sustainability of industrial activity and the reduction of environmental risks.

**In the DIC Vision 2030 long-term management plan, DIC sets forth a basic strategy of expanding its Functional Products business with a focus on sustainable products. The DIC Group will continue to leverage its extensive expertise and technical capabilities in synthetic resins to accelerate product development and sales and contribute to solving social issues.**

Source : Indian Chemical News

**AVERY DENNISON LAUNCHES FIRST GENERATION OF DECORATIVE LINERLESS SOLUTIONS TO REDUCE CARBON FOOTPRINT, WASTE AND WATER USED IN PACKAGING PRODUCTION**

OGSTGEEST, the Netherlands — August 30, 2023 — At Labelexpo Europe 2023, Avery Dennison will launch AD LinrSave™ and AD LinrConvert™ – the first generation of decorative linerless solutions enabled by patented micro-perforation technology. These will greatly reduce label waste, decrease CO2 and water footprint whilst ensuring the functionality and shelf appeal of pressure-sensitive labels. This marks the next stage of the Avery Dennison innovation journey, enabling the industry to drive to a more sustainable and connected future.

Both products will be showcased at stand 5A31 during Labelexpo, Brussels 11-14 September. Wayne Middleton, senior linerless segment lead EMENA at Avery Dennison explains: “AD LinrSave™ and AD LinrConvert™ are easily integrated into existing equipment and with up to 80% more labels per roll it means more efficient runs and fewer changeovers. These more sustainable linerless labels can easily and accurately be applied on a wide range of packaging types used in sectors including food and



beverage, wine and spirits plus home and personal care.”

These developments mark the next stage of the Avery Dennison journey towards a linerless future and follow the launch in April of AD XeroLiner DT™, a sustainable, linerless alternative for variable information (VI) labels — especially relevant for today’s booming logistics and e-commerce industries. Using the Carbon Trust Tool to measure environmental impact, this range has been proven to result in a reduction of 30% in CO2 and 40% in water.

Avery Dennison will also showcase the latest examples of ‘connected’ packaging with a series of labeled prototypes featuring RFID and NFC technology. NFC (near field communication) enables consumers to touch labels with their smartphones to find out more about a product and one such demo features the story of a wine – from vineyard to bottle. Another shows the story of the coffee available to guests, with end-to-end transparency regarding its journey from farm to cup visualized via atma.io. The connected product cloud platform enables organizations to track and identify individual products accurately throughout the supply chain and demonstrate their sustainable origins and journey.

The exchange of knowledge and ideas is particularly important. During the event Avery Dennison will host a series of 30-minute interactive ‘table talks’ on the latest sustainability trends, tools, and regulatory changes affecting the packaging industry including:

- How EcoDesign can help you create more sustainable packaging
- The Packaging and Packaging Waste Regulation (PPWR), explained
- How carbon footprinting can help

you measure environmental impact

- Digital Product Passport (DPP): What is it and what is the opportunity for you?
- Chemicals Strategy for Sustainability (CSS): What is it and how does it affect you?

**Steve Flannery, senior vice president and general manager of Materials Group EMENA, comments: “At Avery Dennison, we put**



**sustainability at the core of everything we do and envision a connected and cir-**

**cular future. Labelexpo is a great opportunity for us to**

**showcase our new solutions and also engage with our partners and cus-**

**tomers on the key issues that will shape the future of our industry over the next few years such as Digital Product Passports and the Packaging and Packaging Waste Regulation.”**



Source : Press Release

## **HUBERGROUP LAUNCHES THREE NEW SOLVENT-BASED INK SERIES FOR ASIAN MARKET**

hubergroup Print Solutions, a leading international printing ink specialist, will participate in the 10th Speciality Films & Flexible Packaging Global Summit 2023 as a platinum sponsor. At this conference, taking place on August 31 and September 1, 2023, in Mumbai, hubergroup will launch three new solvent-based ink series which are specifically tailored to the needs of the Asian market: Gecko Platinum Plus, Gecko Platinum NT and Gecko Gold. Owing to the intensive research work of hubergroup’s developers in India and Germany, the sustainable, toluene-free ink series are ideally adapted to today’s high requirements for safe food packaging.

“At hubergroup, we place great emphasis on supporting the production of safe and sustainable packaging. We are, thus, pleased to launch these three state-of-the-art solvent-based series, drawing on our tried and tested Gecko formulations which are specially adapted to the needs of the Asian

market,” says Suresh Kalra, Managing Director India and President Asia at hubergroup. “As one of the biggest packaging summits in the world, the Speciality Films & Flexible Packaging Global Summit is the world, the Speciality Films & Flexible Packaging Global Summit is the perfect platform for introducing these new products to the Indian flexible packaging industry. I would like to invite everyone to visit our stand to discuss our solutions for today’s requirements of printers.”

Source : Indian Chemical



**LUMMUS AND BIOHYDROGEN TECHNOLOGIES ESTABLISH PARTNERSHIP TO DEVELOP AND DEPLOY BLUE HYDROGEN TECHNOLOGY**

HOUSTON and LONDON, Aug. 21, 2023 /PRNewswire/ -- Lummus Technology, a global provider of process technologies and value-driven energy solutions, and Biohydrogen Technologies have announced an agreement to develop and deploy advanced synthesis gas reactor technology primarily for the production of blue hydrogen.

Lummus' Green Circle business unit will provide to Biohydrogen Technologies its expertise in hydrogen and synthesis gas plant design, reactor scale-up and design, and proprietary equipment supply. This technology is an economically attractive solution to address the large-scale production of blue hydrogen. The technology is also differentiated from other possible solutions due to its higher thermal efficiency, lower capital cost, small footprint and ability to capture more than 99% of the carbon dioxide at pressure.

"As the world looks for solutions to generate significant quantities of hydrogen for energy use while lowering CO2 emissions, Lummus is proud to partner with Biohydrogen Technologies to address this critical challenge for our industry and society," said Leon de Bruyn, President and CEO of Lummus Technology. "By joining together, we will help further develop and deploy decar-

bonized solutions to the market."

**"The combination of Biohydrogen Technologies Intellectual Property and Green Circle / Lummus Technology skills in design, engineering & licensing will shortly allow bulk hydrogen production from natural gas with a thermal efficiency of 90% (LCV) and 99% CO2 capture to become a practical reality," said Geoff Weedon, CEO of Biohydrogen Technologies.**

Green Circle concentrates and expands Lummus Technology's capabilities to capture new opportunities in the energy transition and circular economy. Green Circle is a leader in providing economically and technically sound solutions to process solid wastes containing plastics; process various renewable bio-based feedstocks to value-added chemicals, polymers and fuels; decarbonize refinery and petrochemicals assets; expand production of blue hydrogen and biofuels; and treat industrial wastewater.

About Lummus: Lummus Technology is the global leader in developing technology solutions that make modern life possible and focus on a more sustainable, low carbon future. We license process technologies in clean fuels, renewables, petrochemicals, polymers, gas processing and supply lifecycle services, catalysts, proprietary equipment and digitalization to customers worldwide. To learn more about Lummus, visit [www.LummusTechnology.com](http://www.LummusTechnology.com).

About Biohydrogen Technologies Lim-

ited: Biohydrogen Technologies Limited (BHT) is a UK registered company specializing in process design and engineering of synthesis gas production systems for the hydrogen, methanol and ammonia markets. We are active in the design of hydrogen production facilities from both natural gas and biogas with carbon capture, the latter of which results in net CO2 capture from atmosphere, at by far the lowest cost and highest thermal efficiency of all known CO2 atmospheric removal processes.

Source : PRNewswire

**NRL SIGNS MOA WITH IIT GUWAHATI TO DEVELOP GREEN ACTIVATED CARBON FROM BAMBOO DUST**

Numaligarh Refinery Limited (NRL) has signed a Memorandum of Agreement (MoA) with Indian Institute of Technology, Guwahati to develop technology for production of marketable Grade Green Activated Carbon from bamboo dust.

Bamboo dust will be generated while preparing bamboo chips for the 2nd Generation Bio-Refinery being setup by NRL through its JV company Assam Bio-Refinery Private Limited. As part of the project, a plant of capacity 5 MT/batch will be set up to produce green activated carbon by pyrolyzing bamboo dust.

**This R&D project is also aimed towards development of production of very high grade chemically activated carbon having application in pharmaceutical,**



## electronics and mining industries.

The agreement was signed on behalf of NRL by Senior Chief General Manager (Corporate Affairs), Nikunja Borthakur and Dean IISI, IIT Guwahati Prof. G Krishnamorthy. The signing ceremony was witnessed by Sanjay Choudhuri, Director (Finance), NRL, Prof. Senthilmurugan Subbiah, IITG and Senior Officials from NRL and IIT Guwahati.

The project will be carried out as Industry-academia collaboration and will enhance the capacity of both NRL and IIT Guwahati through provision of relevant data and information sharing.

Source : Indian Chemical

## SOLVAY TO SHOWCASE COMPLETE RANGE OF ADVANCED POLYMERS AND SPECIALTY CHEMICALS AT SEMICON TAIWAN 2023

**B**russels, September 6, 2023 - Solvay, a leading global supplier of specialty materials, has announced that it will participate in Semicon Taiwan 2023 to present its comprehensive materials portfolio for the global and local semiconductors manufacturing industry. In addition, the company will highlight the upcoming start of operations at its Taiwan-based Shinsol Advanced Chemicals joint venture plant for the production of electronic-grade hydrogen peroxide.

At the Taipei Nangang Exhibition Center from September 6 to 8, Solvay's exhibit at Booth Q5848 will focus on cost-efficient and sustainable material solutions from advanced polymers to slurry abrasives, gases and wet chemicals – all engineered to meet the unique and complex needs of manufacturers in this dynamic market and push the limits

of chip performance with outstanding purity, long-lasting chemical stability and optimized resistance to high temperatures and plasma.

**“We have made significant investments to demonstrate our firm commitment to Taiwan’s market players which serve the local and global semiconductors industry and are proud to share the latest material innovations for more profitable and sustainable processes covering all semiconductors manufacturing stages”, says Andrew Lau, Senior Executive Vice President of Solvay’s Specialty Polymers Global Business Unit. “Our R&D, production and support capacities are all targeted at delivering the high-performance solutions needed for next-generation processes in line with the semiconductors manufacturing roadmap.”**

Based on extensive technical industry experience, Solvay is an acknowledged leader in specialty polymers and chemicals for the semiconductors industry that have proven their superior resistance to the harsh conditions of cutting-edge semiconductor processes. Designed to meet the most demanding performance requirements, they deliver efficient synergies and help manufacturers reduce their carbon footprint at each process step, including front-end-of-line (FEOL), back-end-of-line (BEOL), testing, and assembly.

On display at Solvay’s booth, selected structural and internal parts molded in KetaSpire® PEEK, Torlon® PAI, Halar® ECTFE, and Solef® PVDF demonstrate the value Solvay’s specialty polymers bring to FEOL processes such as dry and wet etching, cleaning, chemical vapor deposition (CVD), chemical mechanical planarization (CMP) and lithography. Furthermore, Tecnoflon® FFKM, used for O-rings and seals, Fomblin®

PFPE which serves as a lubricant in vacuum pumps, and Galden® PFPE which ensures proper heat transfer in chillers will also be highlighted.

Solvay will also present several material solutions with an advanced sustainability profile. New bio-based polymer chemistry addresses ambitious environmental targets. Non-fluorosurfactant (NFS) Tecnoflon® FKM and more sustainably produced Tecnoflon® FFKM elastomers show excellent plasma resistance for dry etch seal fabrication and a wide service temperature range, while exhibiting extremely low particle generation. And Halar® ECTFE grades provide a more sustainable alternative to PFA and PTFE for wet process applications.

Many of Solvay’s specialty polymers also extend into wafer handling, duct coating, filters, piping and tubing as well as BEOL processes from wafer level packaging (WLP) to probing and testing. The portfolio is complemented by dedicated specialty chemicals such as cleaning gas for etching, Interox® hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) for optimized wet etching and Cypure® PH<sub>3</sub> cylindered phosphine dopant gas. All of these process chemicals, including fluids with very low global warming potential, offer the highest levels of purity, quality and consistency in the market.

In line with the company’s continuing efforts to ensure the long-term supply security of its specialty chemicals, Solvay has invested in a new joint venture plant for the production of electronic-grade H<sub>2</sub>O<sub>2</sub>, an indispensable chemical agent in wafer cleaning. Located at Tainan Technology Industry Park, the plant is scheduled for commissioning in the fourth quarter of 2023 with an initial capacity of 30,000 tons per year. It builds on Solvay’s experience with other H<sub>2</sub>O<sub>2</sub> plants already operating in Asia, Europe and the United States and complies with strict international standards of quality, sustainability and environmental safety.

Source : Press Release



## LYONDELLBASELL LAUNCHES NEW PRODUCT GRADES OF CIRCULENRECOVER IN NORTH AMERICA

HOUSTON, August 29, 2023 -- LyondellBasell (NYSE: LYB) today announced the launch of eight new product compounds under the CirculenRecover portfolio. These products can help customers achieve circularity in their use of plastic packaging by increasing usage of recycled content and diverting more plastic from landfill or incineration.

The CirculenRecover brand includes products containing up to 100 percent Post-Consumer Resin (PCR) that are designed to meet the performance requirements of many common applications.

**"With the new CirculenRecover product compounds, customers focused on applications such as blown film or caps and closures are able to deliver high-quality products while reaching their sustainability goals," said Wisdom Dzotsi, senior director, Circular & Low Carbon Solutions Americas for LyondellBasell. "As we continue to innovate our products and solutions, we focus on the needs of our customers while striving to progress the circular value chain."**

Now available in North America, these

new compounds in the CirculenRecover portfolio offer single-pellet solutions across a range of PCR levels to fit brand owners' needs. While the products provide value in a wide variety of end uses, they are particularly well suited for industrial and food packaging applications including consumer rigid and flexible packaging such as caps, closures, crates, bottles or film.

- Benefits of the CirculenRecover compounds include:
- Carefully screened raw materials to ensure quality and product safety
- Improved consistency and processability versus dry blends

Formulated to provide the optimal PCR content per application and brand goal

These new solutions are part of the broader Circulen product portfolio announced by the company in 2021. The Circulen product portfolio includes:

**CirculenRecover** polymers are made from plastic waste through a mechanical recycling process;

**CirculenRevive** polymers are made using an advanced (molecular) recycling process to convert the more difficult to recycle plastic waste into feedstock to produce new polymers, which have a wide range of uses; and

**CirculenRenew** polymers are sourced from renewable feedstocks such as used cooking oil, which have a wide range of uses.

This announcement supports the company goal of producing and marketing at least two million metric tons of recycled and renewable-based polymers annually by 2030.

Source : Lyondellbasell

## LITHIUM-ION BATTERY ADDITIVE TRINOHEX® ULTRA APPROVED FOR REACH EXPANSION IN EUROPE

HOUSTON – August 31, 2023 – A unique electrolyte additive for lithium-ion batteries has been approved for increased access to the European Union, said Ascend Performance Materials, the U.S.-based manufacturer of the molecule. Trinohex® Ultra, manufactured and marketed exclusively by Ascend, is now approved for import into the EU in quantities up to 100 metric tons annually per REACH, the regulation for registration, evaluation and authorization of chemicals in the region.

Trinohex Ultra is high-purity 1,3,6-hexanetricarbonitrile designed to increase the cycle life and improve the safety of high-voltage lithium-ion batteries, such as those used in electric vehicles. It works by forming a protective film around the cathode, which prevents metal ion dissolution and decomposition of the electrolyte, resulting in safer, longer-lasting batteries.

"Europe is home to more than a quarter of the global EV production," said Dave McNeece, the business director for the sustainable specialties division of Ascend. "The expanded import volumes will allow us to support the production of more than 200,000 new electric vehicles each year."

In third-party testing, Trinohex Ultra has demonstrated superior cathode protection across cathode and electrolyte chemistries. This protection has shown a 30% reduction in harmful gas generation and longer-lasting performance, especially in extreme conditions.



“Mass adoption of e-mobility and other renewable energies depends on battery safety, performance, cost and material availability,” McNeece said. “Trinohex Ultra is a drop-in solution to these challenges and can be integrated easily into existing battery chemistries and manufacturing processes.”

Trinohex Ultra is manufactured on world-scale assets and readily available globally. Ascend announced last year REACH registration in China, and the company continues to pursue new and expanded chemical inventory registrations throughout the world.

Source : Press Release

## AMERICASE AND SHMUEL DE-LEON ENERGY HOST BATTERY SAFETY SEMINAR FOCUSING ON LITHIUM-ION BATTERY TRANSPORTATION, STORAGE AND REGULATIONS

WAXAHACHIE, Texas, Aug. 31, 2023 /PRNewswire/ -- Americase is excited to announce its first-ever Battery Safety, Storage, and Transportation Seminar in partnership with Shmuel De-Leon Energy, Ltd. Held at the Americase facility in Waxahachie, TX on Friday, September 8th, 2023, the seminar provides attendees with the opportunity to hear from foremost industry experts and learn the latest in battery safety knowledge and best practices. In addition to this valuable training, a portion of the seminar will be dedicated to thermal runaway containment and fire

suppression demonstrations and other expert-led hands-on sessions.

While lithium-ion batteries have fostered incredible innovation across industries, the safety concerns they present warrant equally innovative handling, transportation, and storage technology. That's why Americase and Shmuel De-Leon Energy Ltd. are excited to present this seminar as an opportunity to bring battery professionals and experts together for one day of comprehensive training and in-depth discussion.

**The day's agenda will include presentations and discussions on everything from lithium battery shipping regulations and battery safety equipment to on-site lithium battery storage and how to handle battery safety events. Representing over 30 years of work in the field of battery safety, presenters will include the leading experts Shmuel De-Leon of Shmuel De-Leon Energy Ltd., Bob Richard and Mike Pagel of HazMat Safety Consulting, Chris Egloff of Americase, and more.**

The seminar will conclude with a variety of battery safety field testing demonstrations to show attendees some of the actual tests used to verify product compliance and regulatory standards. Conducted by Raymond James, Principal Engineer at Fulcrum Testing, these live demos will provide practical examples of the subjects discussed during the seminar.

Source : PRNewswire

## BASF BREAKS GROUND ON SYNGAS PLANT AT ZHANJIANG VERBUND SITE IN CHINA

1. Fully integrated into the Zhanjiang Verbund site
2. Innovative process technologies significantly reduce direct CO2 emissions

3. World-scale syngas production facility expected to start up in 2025

Hong Kong SAR, China – BASF has commenced construction of its syngas plant at the Verbund site in Zhanjiang, China. This world-scale syngas facility, fully integrated into the Verbund site, is scheduled to start up in 2025. BASF will adopt unique process concepts in the syngas plant to reduce carbon emissions compared to conventional syngas plants, contributing to BASF's sustainability goals.

The state-of-the-art facility will produce syngas and hydrogen for captive use within BASF's production Verbund. The production technologies deployed in the syngas plant will mainly utilize CO2 off-gas, a by-product of the ethylene oxide process and excess fuel gas from steam cracker operations, to manufacture syngas. “The technical concept of this syngas plant is the first of its kind in China, underscoring our commitment to achieving climate neutrality by 2050. Compared to other technologies, these innovative process technologies help to reduce the Zhanjiang Verbund site's direct CO2 emissions and particularly lower the carbon footprint of our oxo and ethylene oxide products,” said Bir Darbar Mehta, Senior Vice President of Petrochemicals Asia Pacific at BASF. Besides the above-mentioned raw materials, the syngas plant can utilize further feedstocks, ensuring more reliable production. Electricity will be supplied by the site-wide grid which is expected to be powered with 100 % renewable energy by 2025.

**Background information on BASF's Verbund site Zhanjiang** The Zhanjiang Verbund site will be BASF's largest investment with up to €10 billion upon completion. It will be operated under the sole responsibility of BASF and will be the company's third-largest Verbund site worldwide, following Ludwigshafen, Germany, and Antwerp, Belgium.

Source : BASF



## Zero Discharge of Hazardous Chemicals: TÜV Rheinland is approved laboratory for Manmade Cellulosic Fibers Testing

**B**OXBOROUGH, Mass., Aug. 23, 2023 /PRNewswire/ -- TÜV Rheinland has been certified as an approved laboratory under the zero Discharge of Hazardous Chemicals (ZDHC) MMCF Guidelines Wastewater Version 2.1. The recently released ZDHC MMCF guidelines 2.1 provide a clear point of reference for sector-wide benchmarking and best practice sharing on hazardous emissions and chemicals management. The guidelines provide a collaborative and aligned approach to these fibers that would generate cleaner outputs from production while including a circular approach to their processes.

The ZDHC Roadmap to Zero Program (ZDHC) is a collaboration of brands, value chain affiliates and associates committed to eliminating hazardous substances from the textile, apparel and footwear value chain. To address the use and discharge of hazardous chemicals in MMCF manufacturing, ZDHC published the ZDHC MMCF Guidelines V1.0 in April 2020. MMCF manufac-

turing facilities will need to implement the MMCF Wastewater Guidelines V2.1 requirements from the October 2023 testing cycle.

Manmade cellulosic fibers (MMCF) include viscose staple fiber, lyocell, viscose filament yarn (VFY), cupramonium rayon (cupro), and cellulose acetate (acetate), and play a significant role in textile manufacturing. To date, the sector has faced considerable social and environmental challenges – e. g. in the sectors of raw material sourcing or safe chemical use in the production process. As per MMCF 2030 vision, zero discharge of hazardous wastewater and sludge is crucial underpinning for producing with zero harm.

**Overall, the importance of the ZDHC MMCF Guidelines lies in their potential to create a more sustainable, less hazardous, and**

**environmentally responsible textile industry. The qualification of TÜV Rheinland as a ZDHC MMCF wastewater and sludge approved laboratory is part of the company's ongoing efforts to supply sustainable practices across industries. As a leading provider of testing, inspection, and certification services, TÜV Rheinland is dedicated to helping brands and manufacturing sites reduce the environmental footprint of the textile industry.**

Source : PRNewswire

## ACS Launches New Grants and Awards to Support Sustainability Practices

**W**ASHINGTON, Aug. 24, 2023 — The American Chemical Society (ACS) is excited to announce two new grants and three new awards that align with the ACS Board of Directors' Campaign for a Sustainable Future, which was announced in 2022. The campaign aims to advance chemistry innovations to address the challenges articulated

in the U.N. Sustainable Development Goals.

Grants have been established to advance sustainability research at Ph.D.-granting institutions. The Early Career Postdoctoral-Faculty Bridge Grant provides up to \$125,000 for two years to establish a sustainability-focused research

team. Submissions are due by Sept. 15 at 5 p.m. EDT. The Principal Investigator Development in Sustainability Grant provides up to \$50,000 to support a sabbatical to collaborate with new researchers in interdisciplinary fields. Submissions are due by Nov. 15 at 5 p.m. EST. For questions about the grants, contact sustainabilitygrants@

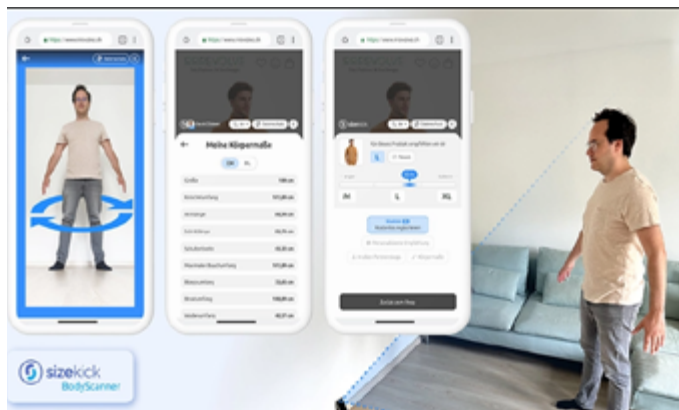


acs.org.

Awards have been established for undergraduate educators to promote green chemistry and sustainability education in classrooms and academic laboratories. Each recipient will receive travel support to attend the annual Green Chemistry and Engineering (GC&E) Conference to receive the award and present their work. The Rising Stars in Green Chemistry Education Award recognizes early career scholars with a \$1,000 honorarium. The Teaching Green Fellowship award includes \$10,000 for a faculty summer salary and \$5,000 for summer student stipend(s) to develop green chemistry or sustainability curricular materials. The Career Achievement in Green Chemistry Education award provides the recipient \$5,000 for innovative

work in chemistry, and a symposium will be held in their honor at the GC&E conference. Submissions for all awards are due by Sept. 15 at 11:59 p.m. EDT. For questions about the awards, contact gci@acs.org.

**“ACS is committed to sustainable practices, and we**



**are excited about these five new opportunities,” says**

**Paul Jagodzinski, chair of the ACS Board of Directors. “We want to provide researchers and educators with resources to move their focus toward sustainable endeavors and to recognize individuals who have already been committed to sustainability. ACS recognizes the importance of research-intensive and primarily undergraduate institutions in educating the next generation of sustainability leaders**

Source : American Chemical Society

## IOL Chemicals and Pharmaceuticals Net Profit Grows 32 Percentage Yoy

- Total income for Q1 FY24 stood at Rs. 570 crore at the same level of Rs.570 crore YoY
- EBITDA for Q1 FY24 at Rs. 80 crore as compared to Rs. 61 crore YoY
- Net profit for Q1 FY24 at Rs. 46 crore as compared to Rs. 35 crore YoY

a leading manufacturer of pharmaceutical APIs and speciality chemicals, announced its financial results for the first quarter ended June 30, 2023.

Commenting on the performance, Mr Vikas Gupta, Joint Managing Director, said “We are pleased to report sustainable performance during the 1st quarter of FY24, tackling present challenges while positioning ourselves for forthcoming opportunities. We are hopeful

for increased presence in regulatory market as the Company got CEP for paracetamol. Additionally, with the commencement of Acetic Anhydride plant, focus on improved efficiencies, product mix and timely execution we are hopeful to generate strong cash flow”.

Source : IOL Chemicals and Pharmaceuticals Limited

10th August 2023, New Delhi: IOL Chemicals and Pharmaceuticals Ltd,

Particulars	Q1FY24	Q1FY23	% YoY	Q4FY23
<b>Total Income</b>	<b>570.24</b>	<b>570.16</b>	-	<b>595.93</b>
EBITDA	79.92	61.17	30.6 %	104.51
EBITDA Margin (%)	14.0%	10.7%	330 bps	17.5 %
PAT	46.21	34.89	32.4%	65.27
PAT PAT Margin (%)	8.1%	6.1%	200 bps	11.0%





# Mesamoll plasticizer from LANXESS now even more sustainable

- Significantly reduced carbon footprint
- No impact on product quality or performance
- Distribution of more sustainable version starts in October, 2023

From October 2023, LANXESS will offer its plasticizer Mesamoll with a significantly reduced product carbon footprint (PCF). Customers will continue to receive the usual product quality with the added benefit of an improved sustainability profile. Photo: LANXESS Specialty chemicals company LANXESS has reached an important step towards more sustainability in its plasticizer portfolio: The Polymer Additives (PLA) business unit now offers a more sustainable solution for its plasticizer Mesamoll. The phthalate-free, well-gelling and exceptionally saponification-resistant plasticizer can be applied for a wide range of polymers, such as PVC, PUR and rubber.

“The switch to a more sustainable raw material base in the production of Mesamoll is a testament to LANXESS’s commitment to sustainability,” says Karsten Job, Head of the Polymer Additives

business. “Helping our customers to reduce their carbon footprint while meeting the demands of our customers for phthalate-free, reliable, and performing solutions makes us a frontrunner in the market.”

In the future, more than 30 percent of the input materials for Mesamoll will come from fully sustainable sources resulting in a reduction in the product carbon footprint (PCF) of around 20 percent. As this is calculated via the mass balance approach by the supplier of the respective raw materials, there is no impact on the product quality or performance of Mesamoll.

**“We want to actively shape the transformation of our industry,” says Stefan Tiebach, Head of Global Marketing at PLA. “At LANXESS, we firmly believe in leading by example and**

**that is why we decided to stop the distribution of our conventional Mesamoll and are solely distributing the more sustainable version starting on October 1, 2023.**



**Our customers will continue to receive the usual product quality**

**with the additional benefit of an improved sustainability profile.”**

LANXESS is committed to further reduce the PCF for its plasticizer Mesamoll in the future, even though the current, reduced PCF is significantly lower than most alternative plasticizers on the market.

Source :Lanxess

# Sabic’s Innovative Solution Wins 2023 R&D 100 Award

SABIC has been named a winner of the 2023 R&D 100 Award, a global science and innovation competition, for its innovative solution, demonstrating how the company is continuing to invest in technology and innovation across multiple industries to help its global customers develop and deliver winning solutions.

The US-based R&D World magazine awarded SABIC in the Mechanical/Materials category for its new grade of resin with a novel plastic-based design as an alternative to metal.

R&D World also recognized Bob Maughon, SABIC Executive Vice President, Technology & Innovation, as

“R&D Sustainability Innovator of the Year” in the Professional Category.

Commenting on the honor, Abdulrahman Al-Fageeh, SABIC Chief Executive Officer said, “We are proud of this prestigious global award that is yet another recognition of our excellence in innovation, highlighting our constant efforts



to strengthen our capabilities to deliver innovative solutions. The award clearly reflects SABIC's strong commitment to regularly introduce new technologies that make a positive impact across communities in the world. As we celebrate the honor, I would like to express my deep gratitude to all our stakeholders, including our partners, customers, and employees for their contributions toward our success in transforming creative ideas into pioneering solutions. I would also like to stress that the award has inspired us further to continue building on our innovation strengths and achieve more success in the future."

### The winning LNP™ EL-

CRES™ resin is a polycarbonate-based copolymer resin, suited for PV connector bodies which meets stricter performance and regulatory requirements for emerging 1.5 Kv solar systems. This cost-effective specialty resin performs better than com-



petitive materials such as glass reinforced nylon, polyphenylene ether and standard polycarbonate.

Established in 1963, the R&D 100 Award recognizes new commercial products, technologies and materials for their technological significance that are available for sale or license. Past award recipients include established Fortune 500 companies and federally funded research institutions, as well as academic and government labs.

Source : Sabic

## How falling lithium prices and self-reliance in battery manufacturing are fuelling affordable EVs in India

**B**uoyed by the acceleration in EV adoption in India, EV makers are concentrating their efforts on making them more cost-efficient to encourage potential buyers to consider clean mobility and sustain the uptick.

So far, dependence on foreign imports for lithium-ion batteries has acted as a roadblock for manufacturers to deliver cost-efficient EVs to Indian customers. The battery cells, which account for 50-60% of an EV's cost, need to be predominantly imported from China or Taiwan and then assembled in India. The numbers indicate that India imports 70% of its Li-ion cell requirements from China and Hong Kong, leading to higher EV costs.

However, in recent times, developments such as falling lithium prices and the discovery of lithium reserves in India have provided a glimmer of hope for EV makers to import lithium at a lower cost and potentially source it locally in the future. This paves the way for the manufacturing of affordable electric vehicles

in India.

Speaking of lithium, the crucial element used in EV battery production, its prices have recently witnessed a decline, resulting in a positive impact on battery costs. This price reduction can be attributed to various factors, including slower sales growth in Europe and China after the expiration of electric car subsidies. Consequently, lithium prices have dropped by over 30% this year, marking the end of a two-year period during which the value of lithium multiplied twelvefold, as per reports. Also, a remarkable development in India's pursuit of making affordable batteries and achieving self-reliance in cell manufacturing is the recent discoveries of lithium reserves in the country.

The identification of the country's first-ever lithium reserve in Jammu and Kashmir, along with another substantial reserve in Degana, Rajasthan, presents a huge opportunity for domestic lithium production. Geological Survey of India (GSI) and mining officials have con-

firmed that the lithium deposits in these reserves are substantial enough to meet approximately 80% of India's total demand. This discovery holds tremendous potential for reducing India's reliance on China as a major lithium supplier, lowering imports and ultimately making EVs affordable.

The identification of these abundant lithium reserves perfectly aligns with India's objective of establishing a robust domestic lithium supply chain and reducing dependence on imported lithium. By harnessing these reserves, India can significantly lower production costs and enhance the affordability of EVs in the domestic market. This breakthrough not only helps mitigate supply chain risks associated with imported lithium but also sets the stage for sustainable and self-sufficient growth in the EV industry.

In addition to the decline in lithium prices, another significant factor contributing to the affordability of EVs is the Indian government's strong commitment to achieving self-reliance in



battery manufacturing. The introduction of initiatives such as the Faster Adoption and Manufacturing of Electric Vehicles (FAME) program and the Production-linked Incentive (PLI) scheme has encouraged local players to scale up cell manufacturing within the country. This has acted as a catalyst in reducing import dependency, lowering EV costs, and fostering self-sufficiency. Moreover, the government's decision to waive customs duty on capital goods required for battery pack manufacturing is going to enable EV manufacturers to offer vehicles at significantly lower prices, expanding access to a wider range of consumers.

In recent times, India has made significant progress in manufacturing lithium-ion batteries for electric vehicles. According to statistics, the country currently produces 81% of these batteries for electric vehicles, and as EV adoption continues to increase, the lithium-ion battery market is expected to receive a significant boost. Report suggest that

India's lithium-ion battery market is projected to reach USD 5.03 billion in the next five years, with a compound annual growth rate (CAGR) of over 15.21% during the forecast period.

At this juncture, to make EVs more affordable, the focus must also be on improving access to finance for EV makers, strengthening the manufacturing infrastructure, reducing material costs through incentives and government support, and building a robust supply chain. These measures will expedite progress towards self-reliance, promote domestic manufacturing, and ultimately lower the overall cost of electric vehicles, making them more accessible to consumers.

India has also made remarkable strides in expanding electrification to remote and underserved areas. Overcoming supply chain challenges and leveraging advanced solar and wind power technologies, the country has improved its infrastructure and tapped into abun-

dant renewable energy sources. As the costs of renewable energy components continue to decrease, the electrical grid becomes more sustainable, reducing reliance on fossil fuels.

**With improved infrastructure and an ample supply of renewable energy, India is well-positioned to facilitate widespread adoption of EVs. Indian EV makers are actively working to revolutionize the affordability of EVs, driven by falling lithium prices and the government's support for domestic battery manufacturing. The concerted efforts to achieve self-reliance in battery production, coupled with the discovery of abundant lithium reserves within the country, are poised to reshape the EV market in India. By harnessing these resources, India can significantly lower production costs, reduce import dependency, and enhance the affordability of EVs for a wider range of consumers.**

Source : Economic Times

## Air Products to Showcase Clean Hydrogen and Energy Transition Solutions, Liquefied Natural Gas, Membrane Solutions and Turbomachinery at the Gastech Exhibition and Conference in Singapore

LEHIGH VALLEY, Pa., Aug. 31, 2023 /PRNewswire/ -- Air Products' (NYSE:APD) Chief Operating Officer, Dr. Samir J. Serhan, will take part in a global business leadership panel titled "The Emergence of Hydrogen Supply and Demand Centers Across Asia and Beyond: How are Hubs Driving Global Hydrogen Trade" at Gastech 2023, which is from September 5-8 at the Singapore Expo in Tampines, Singapore.

"Hydrogen is essential if the world is to meet its sustainability goals. We need to recognize that every second of delay is a

missed opportunity to drive decarbonization," said Dr. Serhan. "For hard-to-abate sectors such as steel, heavy transportation and chemicals, hydrogen is the clean energy solution. That is why Air Products will commit at least \$15 billion of investment in clean hydrogen projects by 2027 to accelerate the energy transition. From a green ammonia project in NEOM in the Kingdom of Saudi Arabia, to our net-zero hydrogen energy complex in Alberta, Canada, to our sustainable aviation fuel project in California, U.S.A., Air Products is taking action to generate a cleaner future."

The global business leadership panel is scheduled from 11:15 a.m. to 12:00 p.m. (GMT+8) on Wednesday, September 6.

Dr. Serhan is one of several Air Products' leaders who will participate in Gastech 2023. Air Products' Wilbur Mok, President, Asia, will take part in a strategic leadership panel titled "Structure and Scale: Accelerating Global Hydrogen Demand Growth." The session, which will include five additional industry leaders, is scheduled from 12:45 to 1:45 p.m. (GMT+8) on Tuesday, September 5.



Air Products' Executive Director of Global Technology, Roger Dewing, will serve as moderator on a "Hydrogen Technologies" panel. Topics of the panel will include: upscaling the global hydrogen value chain, the use of 100 percent hydrogen-ready gas turbines for decarbonizing energy industries and the production of carbon-negative hydrogen via methane pyrolysis. The panel, which will include three additional industry leaders, is scheduled for 3:30 to 5 p.m. (GMT+8) on Thursday, September 7. Additionally, Air Products is a Hydrogen Host Sponsor for the event.

Air Products' industry specialists also will be on hand at Air Products' Exhibition Booth A250 at Gastech 2023 in the Singapore Expo to share information on a wide range of products and technologies for clean hydrogen, liquefied natural gas (LNG), membrane solutions and turbomachinery, including models of LNG modularized product offerings and a Membrane Solutions hydrogen recovery system.

Air Products' areas of expertise include:

**Clean Hydrogen:** With over 60 years of global hydrogen experience, Air Prod-

ucts is the world leader in the production of hydrogen, and works across all facets of the hydrogen value chain, including production, liquefaction, transport, storage and refueling applications. Air Products has made significant investments in several hydrogen megaprojects around the world as part of its growth strategy to be the leader in the production of green hydrogen based on renewable resources and blue hydrogen, which is the production of hydrogen from hydrocarbons combined with carbon dioxide (CO<sub>2</sub>) capture.

**LNG:** The majority of total worldwide LNG is produced with Air Products' technology. In support of the LNG industry, Air Products provides process technologies and key equipment for the natural gas liquefaction process for large export plants, small and mid-sized LNG plants, floating LNG plants and LNG peak shavers. Upstream, Air Products provides both nitrogen and natural gas dehydration membrane systems for offshore platforms. Downstream, Air Products provides membrane nitrogen generators for LNG carriers and land-based membrane and cryogenic nitrogen systems for LNG import terminals and baseload LNG plants.

**Membrane Solutions:** Air Products Membrane Solutions specializes in the development of hollow fiber membrane separators and systems for onsite gas generation. Air Products designs, engineers, manufactures and markets a full portfolio of PRISM® Membrane Separators, Marine Systems and Engineered-to-Order Systems to protect lives and goods at sea, on land and in the air, create more sustainable energy sources and raise productivity across a variety of industries and applications.

**Turbomachinery:** Specialists from Rotoflow, an Air Products' business, will also be at Air Products' booth to discuss turbomachinery needs. Rotoflow works with Air Products' LNG equipment and cycle experts to provide seamless product development and optimal liquefier performance for end users. Rotoflow is one of the industry's most trusted names in turbomachinery and has been designing, building and operating turbomachinery for over 125 combined years, resulting in superior equipment performance, reliability, safety and value.

Source : Air Product

## Wanhua Chemical was Shortlisted for CPI 2023 Polyurethane Innovation Award

Recently, the Center for the Polyurethanes Industry (CPI) announced Wanhua's WANNATE® 9131FC as the finalists for this year's Polyurethane Innovation Award. The annual honor recognizes inventive new commercial technologies within the polyurethanes industry. The award will be presented to the winner during the 65th Polyurethanes Technical Conference, September 25-27, in San Antonio, TX.

WANNATE® 9131FC is a specially designed binder based on polymeric methylene diphenylene diisocya-

nate (pMDI). It is used for fabrication of molded wood pallets. WANNATE® 9131FC allows the use of raw materials such as processing wood waste (vs. virgin or new wood) to fabricate wood pallets with low carbon footprint, and it is a formaldehyde-free process. The use of WANNATE® 9131FC as the binder to fabricate molded wood pallets allows for increased production output,

improved product performance such as mechanical strength, water-resistance, and decreased energy consumption.



**Green and Low Carbon**  
Molded pallets are resource-friendly products, whose raw materials can include wood

processing waste, wood fiber materials and crop stalks, etc. After authoritative



third-party (SGS) testing, greenhouse gas emissions of the MDI molded wood pallet with dynamic load 2-3 tons from cradle to grave are 5.987kg CO<sub>2</sub>e, far lower than solid wood pallets and plastic pallets. In addition, as an adhesive, MDI does not release formaldehyde during storage and use, and zero formaldehyde addition in production, which can effectively ensure the occupational health of operators.

### Stable and High Performance

The molecular structure of the product produced by the reaction of polyurethane and wood fiber is stable, and there will be no decomposition or other reactions at temperatures ranging from -50°C to 100°C. In the manufacturing process, MDI will react with the wood, generating high polymer compounds with strong water resistance, so the

molded pallet using MDI binder has excellent waterproof and moisture-proof performance. In addition, compared with conventional molded pallets, the overall bearing performance of MDI molded pallets can be improved by 250%.

**“Since the first Polyurethane Innovation Award was presented in 2006, polyurethane technology has developed rapidly to help address some of our most challenging issues, including energy efficiency and sustainability,” said Lee Salamone, senior di-**

**rector, CPI. “This year’s finalists have propelled the industry forward with their cutting-edge products. CPI congratulates Wanhua on being named the finalists for this year and we look forward to it showcasing its innovations at the conference.”**

Over the years, Wanhua Chemical Group has continued to optimize packaging solutions and promote the concept of green circulation. Looking ahead, we will collaborate with relevant parties to provide customers with more low-carbon and high-performance options

Source : Wanhua

## Elkem Launches UV Hg And UV LED Curable Silicone Solutions For Sustainable Release Coatings

**O**SLO, Norway — August 28, 2023 — Elkem launches SILCOLEASE™ UV POLY 126 a new “Ready-To-Use” UV acrylate formulation especially designed for release coating of thermal labels that are self-wound without the use of a separate release liner. It guarantees the desired level of performance during the manufacturing, cutting, converting and printing stages, making it possible to develop sustainable thermal printed linerless labels and enable a circular economy.

Elkem is a supplier of silicon-based advanced material solutions shaping a better and more sustainable future. Elkem is committed to develop products needed for the green transition and minimizing the negative environmental and social impact of these products.

Elkem is offering silicone release coatings in the widest range of formats, in-

cluding solvent-based, water-dilutable emulsion formulations, solventless thermal and UV. Users can choose the most appropriate system for their specific coating equipment and substrate while taking into account energy, sustainability, regulatory and safety requirements.

UV LED technology has emerged as a promising method for radiation curing silicone chemistries at specific wavelengths as an alternative to mercury vapor curing lamps. In addition to its effectiveness and flexibility compared to standard mercury lamps, UV LED provides the benefit of improved sustainability by consuming less energy and the elimination of greenhouse gas produced.

To support the Label Industry in its transition to a more sustainable footprint, and the conversion to UV LED curing, Elkem introduces new UV LED curable

silicone solutions, SILCOLEASE™ UV LED Series.

SILCOLEASE UV LED systems utilizing Elkem photoinitiator demonstrate excellent cure and physical properties for more sustainable release coatings.

**Elkem launches SILCOLEASE UV POLY 126 a new “Ready-To-Use” UV acrylate formulation especially designed for release coating of thermal labels that are self-wound without the use of a separate release liner. It guarantees the desired level of performance during the manufacturing, cutting,**



**converting and printing stages, making it possible to develop sustainable thermal printed linerless labels and enable a circular economy.**

The latest addition to the SILCOLEASE UV 100 acrylate series, SILCOLEASE UV POLY 125 fills the gap between release force that can be too light and release force that can be too tight. This formulation works well with a wide va-

riety of permanent self-adhesives and removable adhesives. It successfully cures under Hg UV and specified UV LED parameters.

Source : Textile World

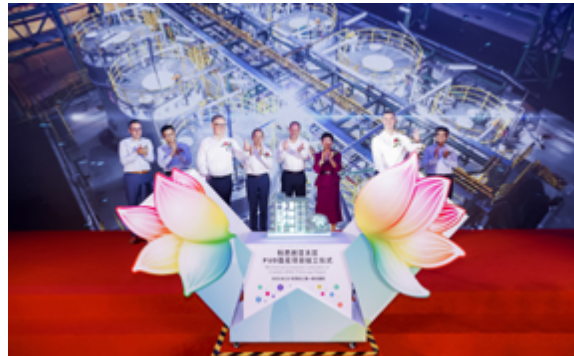
# Tapping growing demand for waterborne coatings and adhesives in Asia Covestro advances polyurethane dispersions capabilities with completion of new Shanghai facility

- **New plant to come on stream in Q1 2024**
- **Modular construction saves time and improves investment efficiency**
- **Environmentally compatible PUDs replace solvent-based types**
- **More circular versions to be offered gradually**
- **Diverse applications in automobile, construction, shoes and packaging**

Covestro has completed construction on a new production facility for polyurethane dispersions (PUDs) in Shanghai, China. Once coming on stream in the first quarter of next year, the new capacity is expected to greatly address the rising demand for environmentally compatible coatings and adhesives in Asia Pacific, serving industries ranging from automotive, construction, furniture to footwear and packaging. The plant will be producing waterborne PUDs that boast properties equal to the performance of solvent-based types, and in 2024 also grades with more circular contents.

“With this new facility we aim to offer the broadest portfolio of PUDs to sup-

port the sustainability efforts of downstream industries here in Asia Pacific,” said Dr. Thorsten Dreier, Chief Technology Officer of Covestro, at an event in Shanghai marking the mechanical completion of the plant. “The modular concept adopted in the construction phase



will also enable us to implement future investment projects and build up capacity more efficiently to capture market demand.”

Housed inside Covestro Integrated Site Shanghai (CISS), the plant was built by a service provider, leveraging modular construction under controlled conditions in a hall in Nantong, Jiangsu province. The individual modules, upon completion, were transported to and assembled at the final site. This approach helps shorten the total construction lead time while making investment more efficient.

## **High-performance PUDs to drive sustainability trends**

Building on Covestro’s local innovation strengths, the new plant will further enhance the company’s capability to supply PUD, supporting sustainability trends in the coatings and adhesives industry in Asia Pacific. For example, waterborne PUDs are key enablers for low-emission solutions. They also help customers to more efficiently apply furniture paints or bonding in shoemaking, thanks to the innovative one-component technology from Covestro.

**“With this additional PUD capacity, we are meeting and driving the trend for sustainable, waterborne coatings and adhesives in Asia Pacific, reinforcing our commitment to customers in this region. Our ongoing dedication to sustainability and circularity enables us to provide our customers and partners**



**with even better access to more sustainable solutions that at the same time offer comparable performance to classic, solvent-based products. This enables us to actively promote widespread adoption of environmentally compatible alternatives,” said Dr. Thomas Roemer, Head of Business Entity**

## **Coatings and Adhesives at Covestro.**

“With this new PUD facility, we are even better positioned to meeting the growing market demand for more sustainable materials in China and Asia Pacific,” said Holly Lei, President of Covestro China. “It also further enhances the capability of Covestro Integrated Site Shanghai, which plays a key role for us as we support our customers’ sustainability journey.”

To help customers reduce their carbon footprint, more circular PUDs will be offered from the Shanghai plant with a share of biobased or biocircular raw materials. CISS received its ISCC PLUS certification in 2021, which allows it to supply mass-balanced products in large volumes. To make more sustainable products easier to distinguish, Covestro furthermore introduced the suffix “CQ”. CQ stands for “Circular Intelligence” and identifies products containing a minimum of 25 percent alternative raw materials.

Source : Covestro

# **Ampace will showcase new energy storage products at North America's premier solar power exhibition RE+, ushering in a new era of global energy storage batteries with "long-cycle" capabilities**

**L**AS VEGAS, Sept. 4, 2023 /PRNews-wire/ -- Xiamen Ampace Technology Limited (hereinafter referred to as "Ampace") is gearing up to participate in North America's premier solar power trade show, RE+, scheduled from September 11 to 14 in local U.S. time (Booth Number: 17046). The spotlight will be on the Kunlun series ultra-long cycle life batteries with 15000-cycle, positioned as the centerpiece, as Ampace unveils a comprehensive range of groundbreaking energy storage products. Ampace will introduce innovative solutions that tackle challenges related to durability, security, and enhanced returns. This endeavor aligns seamlessly with the global trend towards zero-carbon targets and the advancements in Virtual Power Plants (VPPs). Ultimately, this event will mark the dawn of a new era for worldwide energy storage systems, underscoring the significance of "long-cycle".

The long-cycle battery holds significant value for global commercial & industrial and residential energy storage systems.

To aid commercial & industrial energy storage users in effectively keeping PV and energy storage system in the same pace and to enable greater benefits for residential energy users in VPP mode, overcoming the conventional battery lifespan limitation is of paramount importance. During the RE+ exhibition, Ampace's Kunlun series ultra-long cycle life batteries with 15000-cycle recently launched in China, will make their debut at RE+, a globally renowned industry platform. This achievement marks a pioneering advancement in battery lifespan, surpassing the 20-year mark for commercial & industrial energy storage applications, as well as residential energy storage batteries. Concurrently, Ampace will also introduce a powerful lineup centered around the Kunlun series, showcasing commercial & industrial dis-

tributed DC solutions equipped with Kunlun batteries, offering a range of new battery cabinets and modules for the application of 15,000-cycle long-cycle technology.

**Ampace has been deeply entrenched in the global energy storage market for numerous years, blazing a trail by achieving signifi-**



**cant breakthroughs in user-oriented energy storage solutions tailored for commercial & industrial and residential applications. The company's scope of influence continues to expand into sectors such as Uninterruptible Power Supplies (UPS) and portable energy storage. Its product lineup encompasses a variety of battery chemistry systems, including lithium iron phosphate, lithium manganese, ternary systems, and other compositions. This range covers batteries, modules, battery racks, and even distributed outdoor energy storage systems. At present, Ampace enjoys a**

**commanding position in the worldwide residential energy storage sector, with its product footprint spanning countries and regions, including the United States, Japan, Germany, the European Union, Australia and China. Within the North American realm, Ampace has forged an extensive array of application scenarios, spanning from commercial & industrial energy storage to residential energy storage, UPS, and telecom energy storage system solutions. This expansion has yielded not only notable achievements but has also fostered trust and recognition from a di-**

**verse array of mainstream clients.**

In order to enhance service to the global market, Ampace places a strong emphasis on expanding service coverage worldwide and specializing in service technologies. The company has set up post-sales branches in overseas locations including Japan, the United States, and Europe. These branches are equipped to provide on-site inspections, targeted repairs, warehousing logistics, and other essential services in key global markets. Moreover, Ampace provides global customers with expert technical guidance, effectively catering to a wide range of post-sales needs.

Ampace is anticipating its prominent presence at RE+ from September 11 to 14. During this event, Ampace will actively participate in discussions and collaborations with exceptional global partners to propel the achievement of worldwide zero-carbon objectives, thereby making substantial contributions to a more sustainable future.

Source : Xiamen Ampace Technology Limited

## Key Challenges and Opportunities for Paint and Coating Procurement in the Chemical Industry

The procurement process for the paint and coating industry is challenging as it involves a lot of risks that can result in disruptions in the supply process. Benzene, toluene, chlorinated solvents, xylenes, styrene, PAHs, and aromatic azo dyes are the common components of any paint. It is essential to confirm the quality of the raw ingredients, chemicals, additives, and packaging materials needed to produce paints and coatings before engaging with any supplier. It entails locating dependable vendors who can deliver premium additives and chemicals at reasonable costs. The procurement process in the paint

and coatings sector must carefully consider supplier selection. Potential suppliers must be assessed by businesses based on criteria such as product quality, dependability, delivery capabilities, and adherence to industry laws. Several developments in the paint and coating industry have made the process easier by establishing and implementing strategies.

**Challenges faced by the paint and coatings industry during procurement**

**Lack of cost-effective suppliers:**

A fundamental problem is the rising costs of raw materials, and one of the most expensive components of paint is dyes. Finding suppliers who offer the highest quality paint pigments at competitive prices is a challenge for the paint and coating business. It is important for companies to carefully evaluate their supplier options and explore strategies to mitigate this challenge, such as negotiating better pricing agreements or seeking alternative suppliers. The company must conduct thorough market research to identify potential suppliers and foster relationships with existing suppliers to negotiate better pricing





terms.

### Quality control:

The paint business must maintain a constant quality for each material that is procured because alteration in the materials can impair the quality of the paint that is produced. The buying organization must seek suppliers who uphold a consistent level of quality throughout the partnership. Formulations for paint and coatings frequently call for a blend of many raw materials, including pigments, binders, solvents, and additives. These materials' quality can differ from one supplier to another, which can cause irregularities in the finished product. To guarantee the required quality, it becomes imperative to create tight quality standards and carry out extensive testing.

### Lack of regulatory adherence:

As the materials like acetone, toluene, xylene, and EDT procured are hazardous chemicals, procuring these comes up with a challenge of several regulatory guidelines and adherence to them is mandatory. These regulations include standards aimed at ensuring the safety of products, protecting the environment, and safeguarding the health of workers and consumers. Staying up to date with the latest requirements and ensuring that suppliers also comply with them can be a daunting task. This may involve monitoring changes in regulations, conducting thorough due diligence on suppliers, and establishing clear communication channels to address any compliance concerns.

### How your business can benefit from SpendEdge intelligence and solutions

#### Best-fit suppliers:

Our methodology for narrowing down

suppliers goes beyond historical filters like revenue and profits, performance, and service quality to find vendors who can bring the desired quality of materials. We streamline your search to include only suppliers who can meet all your requirements including providing the best competitive price for expensive pigments and EDT even in times of volatile market conditions. You



can identify criteria that are crucial for the supplier to possess and can gauge supplier capabilities on these criteria. We help you sort suppliers into quadrants based on operational and functional capabilities and then rank them to help you identify the best-fit suppliers.

#### Regulatory information:

Chemicals like acetone, toluene, EDT and other hazardous chemicals are subjected to strict regulations and rules, and there are constant revisions to these regulations. Our experienced analysts assist you in comprehending the laws specific to your production process and keeps you up to date on the most recent and local laws related to critical raw materials. As most restrictions pertain to the transportation of hazardous substances, doing this will help you avoid supply chain disruptions. We also assist in narrowing down the pool of potential suppliers based on their history of compliance and provide best practices that can help to resolve typical compliance problems.

#### Quality assurance:

You can identify suppliers who can confirm a standard quality for the solvents, binders, and additives every time you want to procure these materials. Equip yourself with essential know-how on recent supplier market developments so that you won't miss out on any information about quality improvements. Devise sound strategies to ensure the best quality from the suppliers and gain

comprehensive intelligence on risks facing the supplier landscape. Improve supplier negotiations with valuable insights into prevalent market conditions. You can set up some quality standards for your suppliers with the aid of our information. Sustainable material is an emerging trend, and with the help of our supplier intelligence, you can identify suppliers that give high importance to sustainability in their business.

### Success Stories: How SpendEdge helped a paint company enhance procurement function

Procurement in the paint and coating industry is fraught with several challenges, particularly due to inflated prices that impact procurement costs. To address these challenges, paint companies are acknowledging the need to implement measures that can ensure greater visibility on costs and renegotiate with suppliers for more favorable pricing terms.

In a similar vein, a paint and coating company knocked on the door of SpendEdge. They sought to alleviate the impact of increasing chemical costs and decrease inflationary pressures. They were also not happy with the quality of dyes procured from their current vendor as it degraded with time and wanted SpendEdge to help them identify alternate suppliers.

Our expertise enabled the client to identify the vendors who charge competitive prices for the materials procured. Our analysis of the past performance of the suppliers helped the company to ensure that the quality provided is never compromised. In addition, our team also provided information about the latest regulations pertaining to the raw materials and helped assess the suppliers that complied with these regulations. The client was incredibly pleased with the results of our recommendations as they were able to achieve a smoothly functioning procurement process.

Source : SpendEdge



## EVENTS AND CONFERENCES

### CPHI INDIA

**Date:** November 28-30, 2023

**City:** India Expo Centre, Greater Noida, Delhi NCR

**Country:** India

**Website:** <https://www.cphi.com/india/en/home.html>

**Description:** As the pharma industry looks increasingly towards India for high quality, low cost pharma solutions, CPHI & PMEC India is the ideal event for companies wanting to pick up on the latest trends and innovations the market has to offer.

At CPHI & PMEC India, you will meet the movers and shakers from India's pharma machinery, technology and ingredients industries, giving you a competitive advantage that will help grow your business.

### 9TH ANNUAL SALES & MARKETING EFFECTIVENESS IN CHEMICALS SUMMIT

**Date:** Sept 26-27, 2023

**City:** Cologne, Germany

**Country:** Germany

**Website:** <https://fleming.events/sales-marketing-effectiveness-in-chemicals/>

**Description:** Welcome to the Sales & Marketing Effectiveness in Chemicals Conference, the premier two-day industry event designed to empower sales and marketing professionals in the dynamic chemical sector. Maximize your chemical business potential and join us for a captivating experience where cutting-edge strategies, insights, and innovative techniques converge, boosting profitability in the dynamic chemical industry and propelling your organization towards unparalleled success

### CPHI BARCELONA

**Date:** Oct 24-26, 2023

**City:** Fira Barcelona Gran Via, Spain

**Country:** Europe

**Website:** <https://www.cphi.com/europe/en/lp-ppc/barter.html>

**Description:** CPHI Frankfurt is the largest pharma event of the year. Join thousands of pharma professionals and industry experts from across the entire supply chain to grow your knowledge and expand your network. CPHI Frankfurt is the place for you to make meaningful connections, enhance your knowledge and expertise, and to grow your business potential. Join us at the heart of pharma where innovation and collaboration combine to drive business forward.

### DYE+CHEM BANGLADESH INTERNATIONAL EXPO

**Date:** Sept 13 -16, 2023

**City:** Bangabandhu Bangladesh-China Friendship Exhibition Center

**Country:** Bangladesh

**Website:** <https://www.cems-dyechem.com/>



## EVENTS AND CONFERENCES

**Description:** 42nd DyeChem Bangladesh 2023 is a Comprehensive International Exhibition featuring Worldwide Dyestuffs & Fine & Specialty Chemical Manufacturers, focusing on the entire Textile & Apparel Industry of Bangladesh and also the other important Manufacturing Industries of the country. DyeChem Bangladesh is the Oldest, Biggest & Only International Exhibition of Bangladesh serving the Textile & Apparel Industry of Bangladesh for the past 22 years. Bangladesh has emerged as one of the major textile clothing products exporting nations. The demand for textile chemicals (dyes and auxiliaries) in the country has increased sharply in the recent years. In the fiscal year 2021-2022, Bangladesh exported Apparels worth US \$42.613 billion, making it the second-largest apparel exporter in the world. The Dyestuff sector is one of the important segments of the chemical industry in Bangladesh, with a variety of sectors like textiles, leather, paper, plastics, printing inks and foodstuffs. The textile industry accounts for the largest consumption of dyestuffs at nearly 70%. Bangladesh is fully dependent on foreign Dyestuff and Chemicals. Every year, compared to local production, 95% of the Dyestuff and Chemicals are imported in Bangladesh mainly from China, India, Thailand, Taiwan, South Korea, USA, Germany, Italy, Spain, Singapore, Switzerland, Turkey. The Bangladesh Garment Manufacturers Exporters Association (BGMEA) revealed it is eyeing a 10% share of the global apparel market by 2025 and is aiming for an export target of US\$100bn by 2030, making Bangladesh a highly potential market for Dyestuff and Fine & Specialty Chemicals. Participate in 42nd DyeChem Bangladesh 2023 Int'l Expo. Meet and connect with potential buyers through the Expo

## 5TH BANGLADESH INT'I DYES, PIGMENTS AND CHEMICALS EXPO

**Date:** Oct 26 -28, 2023

**City:** International Convention City Bashundhara (ICCB), Dhaka, Bangladesh

**Country:** Bangladesh

**Website:** <https://10times.com/dyes-pigments-and-chemicals>

**Description:** After getting tremendous response from previous editions, RedCarpet365 Ltd is organizing 7th Edition of Bangladesh Int'l Dyes, Pigments and Chemicals Expo, from 26 to 28 October 2023 at International Convention City Bashundhara - ICCB, Dhaka - Bangladesh. Dyes, Dyestuffs, Pigments and all kind of Chemicals - Manufacturer, Suppliers & Exporters from Home & Abroad will participate at this mega exhibition. This expo will help Foreign Manufacturer, Dealers & Suppliers to Showcase their products, where Bangladeshi Factory Owners & Exporters can get in touch with them. This Event will obviously encourage local manufacturers & producers to export their goods in foreign markets. Foreign buyers will also visit to check new trends & quality Dyes, Dyestuffs, Pigments and allied Chemicals.

## EXPO PAINT & COATING

**Date:** Jan 17 - 19, 2024

**City:** International Convention City Bashundhara – Next To 300 Ft. Purbachal Express Highway, Dhaka,

**Country:** Bangladesh

**Website:** <https://www.2exhibitions.com/chemical-and-dyes/expo-paint-and-coatings-dhaka/>

**Description:** Expo Paint & Coatings 2024 is a comprehensive Paint & Coatings Exhibition providing platform to the needs of every façade of the coating industry right from raw materials, formulation, application, technology, finishing, quality assurance, recycling and disposal. The Exhibition will feature a wide range display of products, Raw Materials, Application systems, Machines, Tools, current trends, development & innovations shaping future of coating industry.



# Rising Fabric Demand Drives Adoption of Advanced Lubricants in the Knitting Industry

**D**UBLIN, Sept. 5, 2023 /PRNewswire/ -- The "Knitting Oil Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2023-2030 - By Product, Technology, Grade, Application, End-user and Region (North America, Europe, Asia Pacific, Latin America and Middle East and Africa)" report has been added to ResearchAndMarkets.com's offering.

The knitting industry, a vital player in textile manufacturing, is observing an uptick in the adoption of high-performance specialty lubricants to enhance the efficiency and performance of knitting machines. As the demand for fabrics grows across apparel, home furnishings, and industrial applications, the necessity for reliable and durable knitting machines becomes paramount.

## Importance of Lubrication:

Knitting machines, whether semi or fully automated, face high stress, constant load changes, vibrations, and diverse operating conditions. To ensure extended lifespan and optimal performance of stitch-forming elements, proper lubrication stands as a critical factor. Knitting oils, formulated with ultra-refined base oils and performance additives, offer elevated lubricity and low friction coefficients between key components like sinkers and needles.

## Advantages of Knitting Oils:

These specially crafted oils yield numerous advantages:

**Scourability:** Non-staining and easily water-washable, they prevent carbonaceous deposits and stains. This is par-

ticularly crucial for fabrics like cotton/elastane plated ones that require pre-dye heat setting.

**High-Temperature Stability:** They exhibit reduced evaporation rates at elevated temperatures, leading to sustained performance over longer durations.

**Wear Reduction:** By minimizing wear and tear on needles and moving parts, they enhance overall machine reliability.

**Compatibility:** These oils seamlessly interact with plastic parts and rubber seals within lubrication and electronic systems, ensuring smooth integration.

**Environmental Safety:** In comparison to petroleum-based oils, they are environmentally safer, contributing to sustainable practices.

## History of Knitting Machines:

The Industrial Revolution marked a shift from manual to mechanized factories, introducing knitting machines that enabled mass production of fabrics. In the modern era, circular knitting machines, flat beds, and weaving machines process vast quantities of knitted material daily, significantly impacting the textile industry.

## Fashion and Technology:

Fashion industry trends, driven by technologies such as AI, 3D printing, IoT, and mobile commerce, are reshaping the fashion experience. With the global population continuously growing, the textile demand is projected to rise, with the global apparel market anticipated to reach \$2.5 trillion by 2030.

## Opportunities in Asia Pacific:

As demographic shifts and burgeoning consumer markets shape the landscape, Asia Pacific witnesses a surge in textile and knitting product demand. Luxury brands are tapping into this market, and investments in the textile sector are on the upswing, creating opportunities for knitting oil manufacturers in the region.

## Leading Knitting Oil Companies:

Prominent players in the knitting oil market include Bechemindia, Behran Oil Co., HPCL, Eastern Petroleum Private Limited, Extro Lubricants, GOC Petrochemicals Private Limited, KLU-BER LUBRICATION INDIA Pvt. Ltd., LUBCON, Lubrogamma Srl, LUBSTAR LUBRICANTS PVT. LTD., Millers Oils, Molylub, Nye Lubricants, Inc., Optimo Lubricants, Total Lubrificants, Vickers Oils, Witmans Industries Private Limited, and Zeller+Gmelin.

## HPCL's Contribution:

Hindustan Petroleum Corporation Limited (HPCL) offers HP SEWING OIL and TEXOL L OILS, refined, high viscosity index, colorless oils that provide excellent lubrication, catering to the specific needs of the knitting industry.

With the escalating demand for quality fabrics and advancing knitting machine technology, specialty lubricants emerge as a vital component, ensuring seamless operation and heightened productivity in the knitting industry.

Source : PRNewswire



# Bringing the power of Dow innovation to Labelexpo Europe 2023

- New SYL-OFF™ Protect High-Performance Silicone Release Coatings for enhanced carbon footprint to be launched at the show
- INVISU™ 7007 Water-Borne Adhesive for wash-off label application to allow for enhanced PET recycling and performance
- AFFINITY™ GA Hotmelt Label Adhesive to enable filmic labels and packaging (PP/PE) to be mechanically recycled together

MIDLAND, Mich., – September 5, 2023 – From September 11-14, 2023, Dow (NYSE: DOW) will be on-site at booth #7E41 (hall 7) during Labelexpo Europe 2023 to highlight its portfolio of next-generation silicone release coatings, acrylics, hot melt and silicone adhesives that are enabling label performance in a circular economy.

## Empowering sustainable innovation with silicone

As part of Dow's commitment to delivering a sustainable future for the world through materials science, Dow will launch SYL-OFF™ Protect – a carbon neutral selection of SYL-OFF™ Silicone Release Coatings. Certified by an independent third party according to PAS 2060, these products offer the same quality and performance customers in the label industry expect from standard SYL-OFF™ Silicone Release Coatings, with the added benefit of a reduced carbon footprint.

“Many of our customers in the label industry are looking for innovative technologies that not only provide them with the quality they need, but also help them meet their sustainability targets. Our selected range of SYL-OFF™ Protect

Silicone Release Coatings are making it possible by combining reduction of carbon footprint without compromising on quality,” said Nathalie Gerard, European Market Manager for Dow Pressure Sensitive Industries. “We're excited to introduce this carbon neutral selection of SYL-OFF™ Silicone Release Coatings, at Labelexpo Europe and connect with our customers to show them how, together, we can align performance with sustainability for continued progress towards a more sustainable world.”

Additional silicone technologies that will be featured during the show include:

**SYL-OFF™ SL 184 Coating:** A solvent-free solution suitable for high-speed coating operations, SYL-OFF™ SL 184 Coating is fast curing, minimizes mist at very high line speeds and provides extremely stable release. In addition to its recent 2023 R&D 100 Award, it has notably earned a 2022 Silver Edison Award, a 2022 SEAL Sustainability Award, and has recently been shortlisted for the Innovation Award in the Label Awards 2023.

**SYL-OFF™ SL 351 Coating:** A solvent-less silicone release coating that reduces soak-in for porous substrates, allowing producers to realize cost gains through less expensive paper and decreased silicone usage. SYL-OFF™ SL 351 Coating can be used across a wide range of applications.

## Revolutionizing recycling with innovative label adhesives

Attendees will also have the opportunity to learn more about Dow's portfolio of high-performance water-borne label acrylic adhesives that perform under pressure, and demonstrate exceptional

adhesive strength, UV resistance, temperature stability, and processing efficiency.

**INVISU™ 7007 Wash-Off Label Adhesive**, which is Dow's second product launch at Labelexpo Europe, enables separation of polyolefin-based (PE, PP) filmic labels from PET bottles for enhanced PET recycling. Additional performance benefits of this acrylic technology include moisture resistance, easy converting and processing and has been acknowledged by the Association of Plastic Recyclers (APR) for its alignment with caustic wash recycling guidelines.

**“The launch of INVISU™ 7007 Water-Borne Adhesive is an exciting development directly aligned with the label industry's push towards a circular economy. It addresses both converters' demand for reliable and high-performing label solutions as well as recyclers' needs for cleaner recycled materials. Innovations like this are a testament to the possibilities that can be enabled by material science.”** said Izzat Midani, Marketing Manager Adhesives at **Dow Packaging & Specialty Plastics.**

Additionally, Dow team members will be available to discuss the Company's collaboration with Avery Dennison,



## Booking price as on 11/09/2023

Current Exchange rate- $\$1= 82.39$  INR

Chemicals name	Current Prices	Type
Acetic Acid	400	CFR India
Acrylonitrile	1130	CFR India
Benzene	745	FOB India
Phenol	890	CFR India
Acetone	730	CFR India
Butyl acrylate monomer	1200	CFR India
C9 solvent	950	CFR India
LAB	1510	CFR India
IPA	900	CFR India
Methanol	245	CFR India
VAM	800	CFR South Asia
Toluene	950	CFR India
Styrene monomer	980	CFR India
NBA	900-950	CFR India
2-eha	1150-1200	CFR India
Iso butanol	910-950	CFR India
MEG	470	CFR India
Mix xylene	980	CFR India
Glycerine	500	CIF India
DMF	780	CFR India
Acrylic acid	950	CIF India
Adipic Acid	1250	CIF India
Ethylene	945	CIF India
PTA	800	CFR India
Propylene	765	CIF India
THF	1500	CIF India

Note- All above booking prices have been directly collected from intenders and importers and verified.

## Mumbai Market Price as on 16/09/2023

Name of Chemical	Packing type	Units	Current Price	Exclusive of
Acetic Acid	Imported Repack	Rs/Kg	61	GST
	Domestic Intact	Rs/Kg	74	GST
	Domestic Repack	Rs/Kg	61	GST
Acetone	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	104	GST
	Domestic Intact	Rs/Kg	120	GST
	Domestic Repack	Rs/Kg	105	GST



<b>Acetonitrile</b>	Imported Intact	Rs/Kg	145	GST
	Domestic Intact	Rs/Kg	NA	GST
	Domestic Repack	Rs/Kg	NA	GST
<b>Acrylonitrile</b>	Imported Intact	Rs/Kg	152	GST
	Imported Repack	Rs/kg	135	GST
<b>Aniline</b>	Imported Intact	Rs/Kg	165	GST
	Imported Repack	Rs/Kg	160	GST
	Domestic Intact	Rs/Kg	169	GST
	Domestic Repack	Rs/Kg	NA	GST
<b>Benzene</b>	Domestic Repack	Rs/Litre	89	GST
<b>Cyclohexane</b>	Imported Intact	Rs/Kg	140	GST
	Imported Repack	Rs/Kg	NA	GST
	Domestic Intact	Rs/Kg	122	GST
	Domestic Repack	Rs/Kg	117	GST
<b>Cyclohexanone</b>	Imported Intact	Rs/Kg	160	GST
	Imported Repack	Rs/Kg	148	GST
	Domestic Intact	Rs/Kg	160	GST
	Domestic Repack	Rs/Kg	150	GST
<b>C9 Solvent (99.99% purity)</b>	Imported Repack	Rs/Kg	117	GST
<b>C9 Solvent (Arham Petrochem)</b>	Imported Repack	Rs/Kg	116.75	GST
<b>Dibutyl Phthalate</b>	Domestic Intact	Rs/Kg	142	GST
<b>Diocetyl Phthalate</b>	Imported Intact	Rs/Kg	NA	GST
	Domestic Intact	Rs/Kg	155	GST
<b>Ethyl Acetate</b>	Domestic Intact	Rs/Kg	93	GST
	Domestic Repack	Rs/Kg	88	GST
<b>Formaldehyde(37%)</b>	Domestic Intact	Rs/Kg	19.5	GST
	Domestic Repack	Rs/Kg	18.5	GST
<b>Methanol</b>	Imported Repack	Rs/Litre	34	GST
<b>Methyl Ethyl Ketone</b>	Imported Intact	Rs/Kg	134	GST
	Imported Repack	Rs/Kg	123	GST
<b>Methyl Isobutyl Ketone</b>	Imported Intact	Rs/Kg	175	GST
	Imported Repack	Rs/Kg	148	GST
	Domestic Repack	Rs/Kg	NA	GST
<b>Methyl Methacrylate</b>	Imported Intact	Rs/Kg	156	GST
	Imported Repack	Rs/Kg	NA	GST
<b>Mixed Xylene</b>	Imported Repack	Rs/Kg	104	GST
	Domestic Repack	Rs/Kg	105	GST
<b>Phenol</b>	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	110	GST
	Domestic Intact	Rs/Kg	116	GST
	Domestic Repack	Rs/Kg	110	GST



<b>Monoethylene Glycol</b>	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	56	GST
	Domestic Intact	Rs/Kg	63	GST
	Domestic Repack	Rs/Kg	56	GST
<b>Iso propyl Alcohol</b>	Imported Intact	Rs/Kg	NA	GST
	Imported Repack	Rs/Kg	145	GST
	Domestic Intact	Rs/Kg	165	GST
	Domestic Repack	Rs/Kg	150	GST
<b>nButanol</b>	Imported Intact	Rs/Kg	120	GST
	Imported Repack	Rs/Kg	107	GST
	Domestic Intact	Rs/Kg	123	GST
	Domestic Repack	Rs/Kg	108	GST
<b>Ortho Xylene</b>	Imported Repack	Rs/Kg	112	GST
<b>Phthalic Anhydride</b>	Imported Intact	Rs/Kg	108	GST
	Domestic Intact	Rs/Kg	108	GST
<b>Purified Terethaic Acid</b>	Domestic Intact	Rs/Kg	NA	GST
<b>Styrene Monomer</b>	Imported Repack	Rs/Kg	119	GST
<b>Toluene</b>	Imported Repack	Rs/Kg	130	GST
	Domestic Repack	Rs/Kg	130	GST
<b>Vinyl Acetate Monomer</b>	Imported Repack	Rs/Kg	90	GST

Note-Above prices have been collected from experts and experienced outsources of the industry. Kindly verify from your end as well.

### International market prices as on 16/09/2023

Products	Regions	Current prices
<b>Feedstock Prices \$/unit</b>		
Crude Oil (\$/barrel)	WTI CRUDE	90.77
	BRENT CRUDE	93.93
	MARS US	90.92
	OPEC BASKET	95.7
Natural Gas	New York	2.7
Gasoline	RBOB	2.75
Heating Oil	US	3.47
Ethanol	US	2.39
Naphtha (\$/mt)	FOB Singapore	NA
	European	710
	CFR Far East Asia	713
Propane	New York	0.77
<b>Aromatics prices \$/MT</b>		
Benzene	FOB Korea	1025
	CFR Japan	1035





Styrene	CFR Japan	1180
	CFR South East Asia	1080
	CFR China	1185
	FOB Korea	1190
Toluene	CFR China	1000
	CFR South East Asia	1050
	FOB Korea	1020
	CFR Japan	1000
Iso-mix xylene	CFR South East Asia	1035
	CFR Taiwan	1070
	FOB Korea	1050
MEG	CFR China	485
	CFR South East Asia	495
Methanol	CFR China	280
	CFR Korea	305
	CFR South East Asia	329
	CFR Taiwan	291
Solvent-MX	CFR South East Asia	1050
	FOB Korea	995
	CFR China	1005
Ortho xylene	CFR South East Asia	1140
	FOB Korea	1140
	CFR China	1105
Para xylene	CFR South East Asia	1090
	FOB Korea	1120
	CFR Taiwan	1145
Propylene	FOB Japan	805
	FOB Korea	800
	CFR China	845
	CFR South East Asia	840
Propylene Glycol	FOB Korea	895
	CFR China	920
	CFR South East Asia	925
	CFR Taiwan	920
Ethylene	CFR North East Asia	820
	CFR South East Asia	860
	FOB Japan	800
	FOB Korea	805
Ethylene Di Chloride (EDC)	CFR Far East Asia	290
	CFR South East Asia	280



Butadiene	CFR China	1045
	CFR South East Asia	835
	FOB Korea	1005
FOB Rotterdam USD/MT	Benzene	1090
	Methanol	229
	Ortho xylene	1395
	Para xylene	1185
	Xylene solvent	1160
	Styrene	1320
	Toluene	1285
USA Aromatics prices FOB US Gulf	Benzene C/G	416
	Toluene C/G	410
	Styrene C/LB	54.8
	Para xylene \$/MT	1205
	Mix xylene C/G	413
	Methanol C/G	75
<b>Intermediates prices \$/MT</b>		
Acrylonitrile	CFR Far East Asia	1215
	CFR South East Asia	1215
	CFR South Asia	1140
EDC	CFR Far East Asia	265
	CFR South East Asia	290
VCM	CFR Far East Asia	700
	CFR South East Asia	730
MTBE	FOB Singapore	1054
	FOB US Gulf	1630
Phenol	CFR China	1050
	CFR South East Asia	1100
	FOB US Gulf	1035
	FOB Rotterdam	1159
Acetone	CFR China	810
	CFR South East Asia	895
	CFR Far East Asia	685
	FOB US Gulf	980
	FOB Rotterdam	858
Caprolactum	CFR Far East Asia	1615
	CFR South East Asia	1615
Caustic Soda	FOB North East Asia	345
	CFR South East Asia	405
MEK	FOB Rotterdam	912
	FD North West Europe(Euro/ mt)	950



Ethyl acetate	FOB US Gulf	1697
	FOB Rotterdam	858
	FD North West Europe(Euro/mt)	900
Butyl acetate	FOB US Gulf	2180
	FOB Rotterdam	1127
	FD North West Europe(Euro/mt)	1150
IPA	FOB US Gulf	990
	FOB Rotterdam	891
	FD North West Europe(Euro/mt)	930
NBA	CFR China	1205
	CFR South East Asia	1215
	CFR Far East Asia	1190
Octanol	CFR China	1415
	CFR South East Asia	1350
	CFR Far East Asia	1365
DOP	CFR China	1430
	CFR South East Asia	1450
	CFR Far East Asia	1345
Phthalic anhydride	CFR China	1080
	CFR South East Asia	1100
	CFR Far East Asia	1075
PTA	CFR Far East Asia	795
	CFR South East Asia	805
Acetic Acid	CFR Far East Asia	600
	CFR South East Asia	600
	CFR South Asia	590
	FOB China	545
VAM	CFR China	980
	CFR South East Asia	930
	CFR South Asia	970
<b>Polymers prices \$/MT</b>		
PVC Suspension	CFR Far East Asia	860-880
	CFR South East Asia	870-900
ABS Injection	CFR Far East Asia	1260-1310
	CFR South East Asia	1280-1330

Note-Above prices have been collected from experts and experienced outsources of the industry. Kindly verify from your end as well. Above prices are Exclusive of GST



Shipping term		Description
FOB	Free on Board	<p>The seller quotes a price including the cost of delivering goods to the nearest port. The buyer bears all the shipping expenses and is responsible to get the products from that port to its final destination. In simple terms, FOB price means the buyer has to bear the shipping costs completely.</p> <p>This is one of the most used shipping terms by international buyers and sellers.</p>
EXW	Ex-Works	<p>The seller has no involvement with the transportation costs and risks. The buyer has to collect the goods from the seller's site and get them to the final destination. All the costs and risks are borne by the buyer. It is advisable that the buyer purchases insurance since the goods can get damaged in transit. EXW is ideal when the buyer and seller are in the same country or region.</p>
CFR	Cost and Freight	<p>The seller pays the loading and freight costs from his premises up to the destination port. Then, the buyer has to arrange for the goods to be transported from the port to his premises. The seller is only responsible for the cost of shipping the products to the destination port. CFR is used for products transported by sea or inland waterways only. The seller does not bear the risk of loss or damage during transit.</p>
CIF	Cost, Insurance, and Freight	<p>If the buyer opts for CIF price, the seller pays for the loading and freight costs right from his premises up to the destination port as well as insurance. In the case of damage or loss, the seller bears the risk completely. The buyer has to arrange for transportation of the goods from the port to his premises. CIF is a safer option than CFR since the goods are insured by the seller up to their arrival at the destination port.</p>
DAP	Delivered at Place	<p>It was previously known as DDU, Delivery Duty Unpaid. In this case, the seller is responsible for getting the goods from his own factory up to the premises of the buyer. He also bears the risk in the case of loss or damage of the goods right until the products are delivered to the buyer. The buyer only has to pay the import duties or custom clearance charges.</p>



DDP	Delivery Duty Paid	The seller is responsible for shipping the goods from his factory to the destination address provided by the buyer, usually his factory or warehouse and is also liable for any damage or loss of goods during transit. The seller also takes care of the customs, VAT, or import duties levied on the products. The buyer only has to receive the products at the destination. In most cases, most sellers only offer DDP for small shipments.
FD North West Europe	Free Delivered	Free Delivered North West Europe
Countries Groups	Southeast Asia is composed of eleven countries: Brunei, Burma (Myanmar), Cambodia, Timor-Leste, Indonesia, Laos, Malaysia, the Philippines, Singapore, Thailand and Vietnam.	Far East Asia: The following countries are considered to be located in the Far East: China, Hong Kong, Macau, Japan, North Korea, South Korea, Mongolia, Siberia, Taiwan, Brunei, Cambodia, East Timor, Malaysia, Laos, Indonesia, Myanmar, Singapore, Philippines, Thailand, and Vietnam.
<b>Note- Last changed price means when it changed last whether its yesterday or 2 days ago or 5 days ago or depends on last changing.</b>		

## Opening Ports Price (Rs/kg) of Chemicals as on 16/09/2023

USD Exchange Rate: 83.09 INR

Alphabets	Chemicals Name	Current Prices (INR/kg)	Prices in USD/mt Equivalent to INR/kg	Location
A	Acetic Acid	56	673.97	Ex-Mumbai
	Acetic Acid	56	673.97	Ex-Kandla
	Acetonitrile- imported intact	140	1684.92	Bhiwandi
	Acetone	95	1143.34	Ex-Mumbai
	Acrylic acid	94-95	Not Available	Ex-Mumbai
	Acrylonitrile	105	1263.69	Ex- Kandla
	Adipic acid	120	1444.22	Ex-Bhiwandi
	Aniline oil	144	1733.06	Ex-Kandla
B	ABS Resin	NA	Not Available	Ex-Mumbai Market
	Benzene	75	902.64	Ex-Vizaz
	Butyl Acetate	104-105	Not Available	Ex-Kandla
	Butyl Acrylate monomer	120	1444.22	Ex-Kandla
	Butyl Glycol	117.5	1414.13	Ex-Kandla



C	C10	NA	Not Available	Ex-Kandla
	C9	103	1239.62	Ex-Kandla
	Carbon Black- regular grade	65	782.28	Mumbai
	Caustic Soda Lye	31.5	379.11	Ex-Dahej
	Caustic Soda Flake	NA	Not Available	Ex-Mumbai
	Chloroform	18	216.63	Ex-Dahej
	Citric Acid-ANHYD	75	902.64	Ex-Bhiwandi
	Citric Acid-Mono	66	794.32	Ex-Bhiwandi/Ex-Mumbai
	Cyclohexane	103	1239.62	Ex-Hazira
	Cyclohexanone	138	1660.85	Ex-Kandla
D	DMF Drum	82	986.88	Ex-Bhiwandi
	DIBP & DINP intact drum	126 & 128	Not Available	Mumbai Market
	DEG	72	866.53	Ex Hazira
E	EDC	29	349.02	Ex-Kandla
	Epoxy Resin	175	2106.15	Ex-Nhava Sheva
	Ethyl Acrylate	76	914.67	Ex-port
F	Formic Acid	70	842.46	Ex-Bhiwandi
G	Glycerine	60	722.11	CIF Nhava Sheva
H	N-Heptane	150	1805.27	Ex-Bhiwandi
	Hexane	74	890.60	Ex-Kandla
	Hydrogen Peroxide-50%	30 (31 NPL, 32 Maghmani)	Not Available	Ex-Bhiwandi
I	Isobutanol	94	1131.30	Ex-Kandla
	IsoPropyl Alcohol	134/135	Not Available	Ex-Kandla/Ex-Mumbai
L	LAB	NA	Not Available	Imported
M	Maleic Anhydride- Drum	85	1019.98	Ex-Mumbai
	MDC	35	421.23	Ex-Dahej
	MEG	49.25	592.73	Ex-Mumbai
	MEK	102.5	1233.60	Ex-Kandla
N	N-Butanol	97	1167.41	Ex-Kandla
	N-Propanol	93	1119.27	Ex-Kandla
O	Octanol	130	1564.57	Ex-Kandla
	Ortho Cresol	250	3008.79	Ex-Bhilai
	Ortho Xylene	104	1251.65	Ex-Mumbai



	Melamine	89	1071.13	Imported
	Meta Para Cresol	85	1022.99	Ex-Bhilai
	Methanol	26.75	321.94	Ex-Kandla/Ex-Mumbai
	MIBK	154-156	Not Available	Ex-Kandla
	Mix Xylene-Solvent Grade	95.5	1149.36	Ex-Kandla
	Mix Xylene-Solvent Grade	97.5	1173.43	Ex-Mumbai
	Mix Xylene-Iso Grade	NA	Not Available	Ex-Kandla
	Mix Xylene-Iso Grade	NA	Not Available	Ex-Mumbai
	MMA	150	1805.27	Ex-Hazira
<b>P</b>	Phenol	105	1263.69	Ex-Kandla
	Phenolic Resin	150	1805.27	Ex-Indore
	Phthalic Anhydride	107	1287.76	Ex-Mumbai
	Propylene Glycol	106	1275.73	Ex-Kandla
	PVC Resin	NA	Not Available	Ex-Mumbai Market
<b>S</b>	Sodium Nitrate (50Kg Bag)	61	734.14	Ex-Taloja Plant(-Make- Lasons)
	Soda ash light	40 (33 Kolkata)	Not Available	Ex-Bhiwandi
	Styrene Monomer	115	1384.04	Ex-Kandla
	Styrene Monomer	116	1396.08	Ex-Mumbai
	Sulphuric Acid	5 Vapi / 4.5 kolkata	Not Available	Ex-Vapi
<b>T</b>	Tio2(Anatase Grade)	190	2286.68	Ex-Bhiwandi
	Tio2(Rutile Grade)	215	2587.56	Ex-Bhiwandi
	Toluene	110	1323.87	Ex-Kandla
	Toluene	113.5	1365.99	Ex-Mumbai
<b>V</b>	VAM	81.5	980.86	Ex-Kandla
	VAM	82	986.88	Ex-Hazira
<b>Numbers</b>	2,4-2,5 Xylenol	200	2407.03	Ex-Bhilai

### Producer Prices (Rs/kg) of Chemicals as on 16/09/2023

Producers	Chemicals Name	Current Price(Rs/kg)	Import parity price in USD/MT	Production capacity	Location
<b>TATA Chemicals</b>	Soda Ash light	41	493.44	900,000 tonnes/year	Mithapur



<b>RIL</b>	Toluene	(96 Jamnagar)	Not Available	100,000 tonnes/year	Hazira
	Mix Xylene	(91 Jamnagar)	Not Available	120,000 tonnes/year	Dahej
	MEG	54.4	654.71	750,000 tonnes/year	Jamnagar
	DEG	69.6	837.65	65,000 tonnes/year	Jamnagar
	TEG	112.7	1356.36	NA	Jamnagar
	LAB	135.5	1630.76	180,000 tonnes/year	120ktpa Patalgan- ga, 60ktpa Vadodra
	PTA	86.9	1045.85	1,300,000 tonnes/year	Dahej
<b>IOCL</b>	LAB	NA	Not Available	120,000 tonnes/year	Koyali, Gujarat
	MEG	50.8	611.39		Ex-Odisha(Paradip)
	MEG	53.5	643.88		Ex-Panipat
	DEG	66	794.32		Ex-Odisha(Paradip)
	DEG	68.3	822.00		Ex-Panipat
	Banzene	69	830.42		Vadodara, Gujarat
	Paraffin Wax	NA	Not Avail- able		
<b>Deepak Pheno- lics</b>	Phenol	106	1275.73	200,000 tonnes/year	Dahej
	Acetone	94	1131.30	80.5	Dahej
	IPA Bulk	134	1612.71	30,000 tonnes/year	Dahej
<b>SI GROUP</b>	Phenol	NA	Not Available	39500 tonnes/year	Ratnagiri, Maharashtra
	Acetone	64	770.25	24000 tonnes/year	Ratnagiri, Maharashtra
	Phthalic Anhydride	103	1239.62	11000 tonnes/year	Ratnagiri, Maharashtra
	Benzene	NA	Not Avail- able	NA	NA
<b>Adipic acid</b>	Ex-Deepak	NA	Not Available		
	Ex-BASF	NA	Not Available	210,000 tonnes/year	Germany





<b>Andhra Petrochemicals</b>	Octanol	125	1504.39	70,000 tonnes/year	Vishakhapatnam
	N-Butanol	90	1083.16	30,000 tonnes/year	Vishakhapatnam
	Iso-Butanol	94	1131.30	4000 tonnes/year	Vishakhapatnam
<b>Arham Petrochem Pvt Ltd (Kandla Energy &amp; Chemicals Ltd Refinery)</b>	C9	102.75	1236.61	69,000 tonnes /year	Kandla
	C9	103.75	1248.65	69,000 tonnes /year	Ahmedabad
	C10	NA	Not Available	30,000 tonnes /year	Kandla
	C10	NA	Not Available	30,000 tonnes /year	Ahmedabad
	C10 - Imported Repack	NA	Not Available	30,000 tonnes /year	Bhiwandi Warehouse
	MTO/White Spirit(kl)	59.65	717.90	75000 tonnes / Year	Kandla
	MTO/White Spirit(kl)	60.65	729.93	35,000 tonnes /year	Ahmedabad
	De-Aromatised D40	130	1564.57	75000 tonnes / Year	Kandla
	De-Aromatised D40	131	1576.60	35,000 tonnes /year	Ahmedabad
	De-Aromatised D60	139	1672.88	75000 tonnes / Year	Kandla
De-Aromatised D60	140	1684.92	35,000 tonnes /year	Ahmedabad	
<b>HOCL</b>	Phenol	114	1372.01	40,000 tonnes/year	Kochi
	Acetone	93	1119.27	24640 tonnes/year	Kochi
<b>NIRMA</b>	LAB	135	1624.74	120,000 tonnes/year	Vadodra
<b>GACL</b>	Soda Ash light	NA	Not Available		
<b>GNFC</b>	Acetic Acid	54	649.90	160,000 tonnes/year	Bharuch
	TDI Drum	202	2431.10	67000 tonnes/year	Bharuch
	Aniline Oil	143	1721.03		Bharuch



<b>BPCL</b>	Benzene	76.83	924.66	90,000 tonnes/year, Mumbai Refinery,	87000 tonnes/year, Kochi
	Toluene	NA	Not Available	16,000 tonnes/year	Kochi Refinery
	Hexane(kl)	90.9	1093.99	35,000 tonnes/year, Kochi	Mumbai Refinery
	Hexane(MT)	136.9	1647.61	35,000 tonnes/year, Kochi	Mumbai Refinery
	MTO(kl)	79.65	958.60	19,000 tonnes/year	Mumbai Refinery
	Paraffin Wax	NA	Not Available		
	Sulphur(Molten)	9.5	114.33	19,000 tonnes/year	Mumbai Refinery
	Acrylic Acid (Bulk)	82.5	992.90	47000 tonnes/year	Kochi Refinery
	Acrylic Acid (Packed)	91.5	1101.22		Kochi Refinery
	2-Ethyl Hexanol (B)	110	1323.87	47000 tonnes/year	Kochi Refinery
	2-Ethyl Hexanol (P)	120.5	1450.23		Kochi Refinery
	N-Butanol(B)	91	1095.20	38000 tonnes/year	Kochi Refinery
	N-Butanol(B)	96	1155.37		Kandla Installation
	N-Butanol(P)	NA	Not Available		Kochi Refinery
	Iso-Butanol(B)	91	1095.20	7000 tonnes/year	Kochi Refinery
	Iso-Butanol(P)	102	1227.58		Kochi Refinery
	Butyl Acrylate (B)	104.5	1257.67	180000 tonnes/year	Kochi Refinery
	Butyl Acrylate (B)	105	1263.69		Kandla Installation
	Butyl Acrylate (P)	114.5	1378.02		Kochi Refinery
	2-Ethyl Hexyl Acrylate(B)	125	1504.39	10000 tonnes/year	Kochi Refinery
2-Ethyl Hexyl Acrylate(P)	135	1624.74	Kochi Refinery		
<b>Caustic Soda Lye</b>	Meghmani	27.25	327.96	400000 tonnes/annum	Bharuch, Gujarat
	GACL	NA	Not Available		
	RIL	NA	Not Available	69500 tonnes/annum	Kurnool Distric, Andhra Pradesh



MDC	Grasim	NA	Not Available	33000 tonnes/year	Nagda, Madhya Pradesh
	Meghmani	33.25	400.17	397500 kg/month	Ankleshwar, Gujarat
	Rayalseema	NA	Not Available	40 tonnes/month	Bharuch, Gujarat
	GACL	34.5	415.21	NA	Bharuch, Gujarat
Ethyl Acetate	GNFC	84	1010.95	50000 tonnes/year	Bharuch, Gujarat
	Accord	82	986.88		
	Satyam	83	998.92	50 tonnes/day	Nevasa, Maharashtra
	Bhange	NA	Not Available	400ltr/day	Ahmednagar, Maharashtra
	Jubilant	81	974.85	280 tonnes/day	Gajraula, U.P
	Laxmi	82	986.88	100000 tonnes/annum	Mahad, Maharashtra
GSFC	Cyclohexane	103	1239.62	NA	Gujarat
	Cyclhexanone	NA	Not Available	NA	Gujarat

Note-Above prices have been collected from experts and experienced outsources of the industry. Kindly verify from your end as well. Above prices are Exclusive of GST

Note- Last changed price means when it changed last whether its yesterday or 2 days ago or 5 days ago or depends on last changing.

All of the above prices are provided by chemicalsupdates.com.

If you wish to subscribe to the pricing module,  
please send us an email at [info@chemicalmarket.net](mailto:info@chemicalmarket.net)  
or call us on +91-877-9830-330

**CHEMICAL MARKET**  
Connecting the Chemical Industry

**WE ARE DATA AGGREGATORS**

If you do not list your company and products,  
you might lose a potential customer

If you list your company and products,  
you will definitely get a new customer

**(IMPORT / EXPORT COMPATIBLE):**  
Connect to Local and International Audience

**CHEMICAL MARKET LEADS PLATFORM**





which has led to a breakthrough in hot-melt adhesives. This co-developed technology designed for chilled food applications enables polyolefin filmic labels and polypropylene (PP) or polyethylene (PE) packaging to be mechanically recycled together in one stream, offering better recyclability than standard hotmelts without skimping on performance. It is based on AFFINITY™ GA

Polymers from Dow and sold by Avery Dennison under the name CF3050 in the Europe, Middle East, North Africa region (EMENA) region.

### Dow at the AWA Label Release Liner Seminar

For those who will attend the AWA International Label Release Liner Seminar

during Labelexpo Europe, Alex Knott, Dow's Principal Technical Service & Development Scientist, will be participating in a round table discussion titled "The Future of Release Liner & Pressure Sensitive Labeling" on September 12th at 1:40pm.

Source : Dow

## Evonik and LEHVOSS form strategic partnership for industrial 3D printing

- LEHVOSS to create new LUVOSINT® formulations based on Evonik's PA613 polymer chemistry
- LEHVOSS portfolio expansion with INFINAM® PA 6005 P
- New material solutions and application technology support for automotive applications

Marl, Germany. Leading specialty chemicals company Evonik and chemical and mineral specialties group LEHVOSS Group are entering into a strategic partnership in the field of industrial 3D printing. The core content of the collaboration consists of two key initiatives: Based on Evonik's PA613 polymer chemistry, LEHVOSS will develop its own 3D printing formulations under its own LUVOSINT® product branding. LEHVOSS will include Evonik's polymer powder INFINAM® PA 6005 P (PA613) in its own product portfolio from September 1, 2023. Through this strategic partnership, both industry partners aim to open up the way to new applications in the automotive sector.

**MATERIAL EXPERTS AT EYE LEVEL**  
"The collaboration with LEHVOSS is very special for us, because this is the first time in our three-decade history that we are entering into a partnership with another material manufacturer. The expert-team at LEHVOSS is well

positioned to produce specialty formulations that enable new 3D applications," says Sylvia Monsheimer, head of industrial 3D printing at Evonik.

INFINAM® PA 6005 P is a polymer powder from Evonik based on polyamide 613 and is designed for 3D printing technologies such as selective laser sintering (SLS). The polymer is produced using Evonik's own special precipitation process at the Marl Chemical Park in Germany and is suitable for 3D applications in the higher temperature range. Compared to other difficult-to-process materials of the polyamide 6 family, INFINAM® PA 6005 P has an impressively low water absorption rate - less than 3 percent - which has positive effects on both the processability in the 3D printing process, and the dimensional stability of the printed component.

### NEW PA613-BASED FORMULATIONS FOR 3D PRINTING

LEHVOSS has developed a carbon fiber reinforced powder variant for laser sintering created from Evonik's PA613 base polymer. Marketed under the brand name LUVOSINT® PA613 9711 CF, the product features special carbon fibers compounded into the individual polymer particles. Carbon fibers bonded in this way are compliant with applicable occupational safety regulations. Additionally, by including Evonik's un-

reinforced INFINAM® PA 6005 P into its own product distribution portfolio, LEHVOSS now offers customers both of these great formulations, all from one supplier.

"Partnering with Evonik and using their excellent base polymer made it easier to develop a customized product for our customers' technical applications," says Dr. Stefan Schulze, 3D printing team leader at LEHVOSS.

**With the LUVOSINT® and LUVOCOM® 3F product lines, the LEHVOSS Group offers innovative and customized plastics for 3D printing. These products are adapted to the most common manufacturing processes, such as Powder Bed Fusion, Fused Filament Fabrication (FFF) and Fused Granulate Fabrication (FGF). These products are characterized by good processability and excellent material properties.**

Evonik is pooling its expertise in 3D printing in the additive manufacturing innovation growth field. Their strategic focus is on the development and production of new high-performance materials for all major polymer-based 3D printing technologies. In this context, Evonik has organized its INFINAM®-branded product range of versatile, ready-to-use materials.

Source : Evonik



# Increasing Use of Organic Chemicals in Personal Care and Pharmaceuticals Boosts Market Expansion

DUBLIN, Sept. 7, 2023 /PRNewswire/ -- The "Organic Chemicals Market By Product, By End Use Industry: Global Opportunity Analysis and Industry Forecast, 2023-2032" report has been added to ResearchAndMarkets.com's offering.

The global organic chemicals market, which was valued at \$153.2 billion in 2022, is expected to experience significant growth, estimated to reach \$286.0 billion by 2032, with a remarkable compound annual growth rate (CAGR) of 6.5% from 2023 to 2032.

Organic chemicals are a distinctive category of compounds characterized by the presence of carbon-hydrogen bonds. They play a pivotal role in various industries, including food and beverages, pharmaceuticals, cosmetics, and fertilizers, with applications ranging from flavoring agents and aromatic agents to alcohols.

The organic chemicals market is being

driven by several key factors, including the rise in awareness of self-grooming activities, which has led to a substantial increase in demand for personal care products containing aliphatic hydrocarbons. Additionally, the growing geriatric population in countries like Italy and Japan has fueled the demand for anti-aging creams, which often contain aliphatic hydrocarbons. These trends are expected to boost the organic chemicals market for personal care and cosmetics applications.

Moreover, the textile sector has witnessed increased demand for ketones, which are used as solvents. This surge in demand can be attributed to rising disposable incomes, fashion consciousness, and the need for consumer goods, driving rapid industrialization in both developed and developing economies. Organic aldehydes, on the other hand, are being used in the manufacturing of industrial chemicals, dyes, and solvents, further increasing demand across various industries.

**One of the key advantages of organic chemicals is their versatility, as they can be sourced from natural materials like plants, animals, coal, petroleum, and wood. This widespread availability has eased access to organic chemicals, making them readily accessible in almost every region worldwide. Additionally, the rise in corporate social responsibility (CSR) activities and the growing awareness of non-toxic chemicals have made organic chemicals increasingly popular across various sectors.**

Source : PRNewswire

# Asahi Kasei to present diversified material solutions for EV batteries and circular economy at Fakuma 2023

Düsseldorf and New York, September 5th – Japanese technology company Asahi Kasei will showcase diversified material solutions for safe and compact EV batteries, improved connectivity and lightweighting, as well as circular economy at Fakuma, the world's leading trade event for industrial plastics processing, from 17 – 21 October 2023 in Friedrichshafen, Germany. Thermoplastic composites for

EV battery applications  
This year, Asahi Kasei will put a special focus on its broad range of materials for lightweight, compact, and safe electric vehicle battery solutions. The company is currently developing a new continuous glass fiber reinforced thermoplastic, LENCEN™, and will present it for the first time at the European trade show Fakuma. This composite material is formed by stacking layers of continuous glass fiber textiles with polyamide 66

(PA66) films. Due to its tensile strength, high heat resistance, and impact properties similar to metal, this material improves collision safety and weight reduction of EV batteries.

In addition, the company will showcase a carbon fiber reinforced thermoplastic unidirectional tape (CFRTP-UD tape) that utilizes both recycled continuous carbon fiber and the company's LEO-NA™ polyamide resin. Boasting a high-



er strength than metal, this CFRTP-UD tape can be applied to automobile frames and bodies, further enabling the recycling of end-of-vehicle-life parts into different, new automobile parts.

Asahi Kasei will also showcase cooling pipes for EV battery packs made of the modified polyphenylene ether (m-PPE) XYRON™, as well as 2170 cell trays based on the m-PPE particle foam SunForce™.

### Solutions for improved HMI and glass replacement

AZP™ is a transparent polymer that overcomes the disadvantages of conventional optical plastic materials. Featuring a close-to-zero birefringence equivalent to glass as well as a superior designability, this material allows high transmittance and low color distortions at all viewing angles. Clear images without luminance variations, color distortion and blurring can be achieved in polarized optical equipment such as AR/VR headsets and head-up-displays (HUDs). The premium quality appearance is also maintained when looking at the display

through polarized sunglasses.

### Bio-based feedstock and new recycling technology for PA66

Asahi Kasei will display a bio-based and biodegradable cellulose nano fiber (CNF). This material is made from cotton linter and features a high heat resistance and network-forming ability. CNF-reinforced polyamide shows a thixotropic behavior, making it highly suitable for 3D printing applications in terms of easy printing, dimensional accuracy, smooth appearance, and mechanical performance. Furthermore, CNF has superior material recyclability compared to glass fibers.

Cleaning the equipment after processing the plastics in an efficient and cost-effective manner is a major challenge for many companies. Asaclean™ is the worldwide leader in commercial purging compounds. Asaclean™ purges are optimized for injection molding, extrusion, film and sheet, blow molding, and blown-film applications. Its benefits include faster changeovers/reduced

downtime, effective removal of color/carbon contamination, reduced screw-pulls, lower scrap/reject rate, increased productivity, and greater cost savings.

The company will also present its comprehensive solutions for establishing a sustainable life cycle for PA66 utilizing bio-based feedstock and a new technology for chemical recycling. Together with Japanese partner company Microwave Chemical, the company is working on a new technology for chemical recycling of PA66. The process utilizes microwaves to depolymerize automotive airbags and other PA66 parts and directly obtain the monomers hexamethylenediamine (HMD) and adipic acid (ADA), which is expected to be accomplished at high yield with low energy consumption. The monomers obtained can then be used to manufacture new PA66.

Asahi Kasei will exhibit in Hall B5, Booth 5319. For more information visit the dedicated landing page: <https://fakuma.asahi-kasei.eu/>.

Source: asahi-kasei.eu

## Perstorp unveils new drop-in replacements for a low-emission future of synthetic polyol esters

Malmö September 14, 2023 - The new products, Valeric Acid Pro 100 and 2-Ethylhexanoic Acid Pro 100, represent the latest stride in Perstorp's mission towards becoming Finite Material Neutral™, heralding a significant shift in the industry's dependence on virgin fossil raw materials while allowing downstream industries to reduce Scope 3 emissions.

When considering the biogenic CO<sub>2</sub> uptake<sup>1</sup> absorbed by the renewable raw materials used, these products demonstrate a negative carbon footprint from the cradle to the Perstorp gate. Developed based on a traceable mass balance concept, Valeric Acid Pro 100 and 2-EHA Pro 100 are designed to mini-

mize the carbon footprint<sup>2</sup> throughout the value chain, supporting sustainable sourcing of renewable and recycled raw materials.

Valeric Acid Pro 100 and 2-EHA Pro 100, as well as all Perstorp's Pro-Environment offerings, bear the ISCC PLUS (International Sustainability & Carbon Certification) sustainability certification. This seal of approval attests that stringent sustainability standards are met, including the products, the mass balance methodology, and the product carbon footprint (PCF) calculations. Both products exhibit a negative cradle-to-gate PCF value, aligned with Together for Sustainability methodology.

Together with Perstorp's portfolio of Pro-Environment Polyols (Neature™, Evyron™, and Voxstar™) the debut of Valeric Acid Pro 100 and 2-EHA Pro 100 marks the inauguration of a comprehensive portfolio of Polyol Esters (POE) building blocks, positioning Perstorp as a sustainable solutions provider for businesses aspiring to lessen their reliance on virgin fossil raw materials and minimize their product or corporate carbon footprints.

“The synthetic lubricant industry is inherently a sustainable industry,” says Dr. Valentina Serra Holm, Perstorp's Vice President of Engineered Fluids. “The use of synthetic lubricants is making a positive impact by reducing the energy



used and extending the lifetime of parts. Now, in addition to sustainable applications, we can proudly offer a wide range of more sustainable building blocks for polyol esters.”

By introducing Valeric Acid Pro 100 and 2-EHA Pro 100 to its Pro-Environment portfolio, Perstorp continues to demonstrate its steadfast commitment to a sustainable future. These Pro-Environment products match the performance and quality of their fossil counterparts but exhibit a superior environmental profile. By employing traceable mass balance, Perstorp helps to shift the feedstocks of the chemical industry to renewable and recycled sources, but without the need for long development lead-times. These drop-in solutions offer a seamless transition with the same quality and performance as the fossil-based products.

**“Mass balance, with chemical and physical traceability,**

**is a crucial methodology that contributes traceability, efficiency, accountability, compliance, and sustainability across industries and processes,”** says **Elisa Swanson-Parbäck, Global Marketing Director for Sustainable Lubricants at Perstorp.**  
**“It enables our customers to accurately track materials and make informed decisions. Further on, it showcases our commitment, long-term and short-term, to responsible practices as we can ensure our value chain partners that we apply a credible and transparent**

**transition towards renewable raw materials.”**

Emphasizing transparency and traceability, the Traceable Mass Balance applies chemical and physical traceability principles. This ensures the product's progressive transition from fossil to fully renewable and/or recycled, marking a significant stride towards sustainability in the synthetic lubricants sector.

The launch of Valeric Acid Pro 100 and 2-EHA Pro 100 marks another significant milestone in Perstorp's quest to lead the industry's shift towards renewable and recycled raw materials. It reflects an exciting step towards future-proofing, gradually phasing out virgin fossil raw materials for a variety of applications, including synthetic oil in the aviation and automotive lubricants market segments.

Source : Press Release

## Polyplastics' New DURAFIDE (R) PPS Grade Delivers Exceptional Heat Resistance for EV Lithium-ion Batteries

TOKYO, Sept. 12, 2023 /PRNewswire/ -- The Polyplastics Group, a leading global supplier of engineering thermoplastics, has announced DURAFIDE (R) PPS 6150T73, a high-performance material which delivers outstanding heat resistance and exceptional thermal and electric insulation properties for electric vehicle (EV) lithium-ion (Li-ion) batteries.

DURAFIDE (R) PPS 6150T73 is Polyplastics' latest offering for the transformative electric vehicle segment. The material significantly improves thermal and electric insulation properties during thermal runaway without the use of inorganic insulative sheet structures. The material maintains the insu-

lation properties of busbars and module covers even after being left in environments of 1,000 C for 30 minutes.

With the shift from engine-powered vehicles to EVs, today's Li-ion batteries (LIBs) can generate excessive heat due to thermal runaway when accidents and other disturbances occur, thus ultimately leading to a potential fire. During a thermal runaway event, a LIB cell can reach temperatures of 800 C to 1,000 C, and the gas it ejects can reach 700 C to 800 C. If thermal runaway occurs in one cell, energy transfer to neighboring cells must be reduced. As a safety measure, structural insulative sheets and plates have been previously used to reduce energy transfer from one cell to another.

However, they increase weight and consume space due to the increased number of parts.

**In addition to greater heat resistance, DURAFIDE (R) PPS 6150T73 has optimal properties for components such as module covers and busbars. The high-purity linear PPS also provides high toughness and excellent impact strength while also exhibiting low ionic impurities (extracted components). The material's color is close to white, and it can be tinted.**

Source : PRNewswire



# CHEMICAL MARKET

Connecting the Chemical Industry Together!

Connect with Customers



Save Time



Easy To Use



Grow Your Business



## LEADS PLATFORM

is a B2B Platform:  
Manufacturers,  
Distributor, Wholesalers

- Your Own Company Profile Page
- Your Own Product List Page (with COA/MSDS)
- Create & Download your PDF catalog to share
- Membership approved only to verified Members
- View all your incoming Leads/ Enquiries
- Feature Your Products/Tech.
- No Fake Enquiries
- Post Multiple Buy Enquiries Broadcasted to Suppliers
- Global Reach / Targeted Audience (80,000+ Organic Reach)
- Monthly & Weekly Product Marketing via Email
- Complimentary Magazine Subscription
- Discounted Magazine Ad



[www.chemicalmarket.net](http://www.chemicalmarket.net)



[info@chemicalmarket.net](mailto:info@chemicalmarket.net)



**+91 937-2434-490 / +91 877-9830-330**

