

# DYES & CHEMICAL MARKET

APRIL 2022

VOLUME IX | ISSUE # 9

MUMBAI | PAGES 68



A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

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**KBR and ExxonMobil Catalyst Licensing to Collaborate on Next Generation Propane Dehydrogenation Technology** -Pg54

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# CHEMICAL MARKET



## MARKETING IN THE CHEMICAL INDUSTRY

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### Email Marketing

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### Website Banner Advertisement

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## CHEMICAL MARKET LEADS PLATFORM

- » Chemicalmarket.net is an Online portal dedicated to the chemical industry.
- » Suppliers can upload their products, MSDS, COA after building their company profile and get enquiries for their products.
- » Purchasers can post purchase enquiries to the suppliers.

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# Expo Paint And Coatings - 2022

**28 29 30 July 2022**  
Pragati Maidan, New Delhi, India.

## A Mega Show For Paint & Coating Industry

Total Solutions For Paint Manufacturing & Application

Expo Paint and Coating 2022 will be back in the month of July with an upgraded version. Exhibition will provide a comprehensive platform for every facade of paint & coating industry right from raw materials, formulation, application, technology, finishing, quality assurance, recycling and disposal. Featuring wide range display of products, raw materials, application systems, machines, tools, current trends, development & innovations shaping future of coating industry.

### EVENT HIGHLIGHTS



**10000 m<sup>2</sup>**  
Exhibition Space



**250+**  
Exhibitors



**10000+**  
Visitors



**Technical**  
Conference



**High Number & Quality Of**  
Trade Visitors / Buyers

**SAFE ENVIRONMENT**  
**SCHEDULED MEETINGS**

**EXCLUSIVE PRODUCT DISPLAY**  
**AND LAUNCH SECTION**

**CONCURRENT SHOW**  
**BRUSH TECH 2022**

**BUYER - SELLER MEET**  
**& NETWORKING FORUM**

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Networking | Business Development | Brand Promotion



### 2019 AT A GLANCE

Held at Pragati Maidan Expo Paint And Coating 2019 covered an exhibition area of 3340 Sqm International & Domestic Exhibitors mfrs. & solution providers showcased latest trends in raw materials, application systems, machinery, tools & expertise. A healthy business visitors turnout including good numbers from China, Taiwan, Singapore, Shrilanka, Bangladesh, Myanmar, Nepal, Maldives, Europe & Middle east Event witnessed a Pan India Reach with a visitors from across the country & visitors from abroad constituting to 2% of total number.

#### Exhibitor Analysis

Satisfaction rate	92%
Participation Probability in next edition	87%
Recommending others for participation	84%

#### Supported By:



#### Visitor Analysis

Satisfaction rate	89%
Visiting Probability in next edition	94%
Recommending others to visit	86%

**Concurrent Show**

**28 29 30 July 2022**  
Pragati Maidan, New Delhi, India.

**BrushTech 2022**

**India's Maiden event on materials technology machinery & accessories for brushes/rollers & mop manufacturing**



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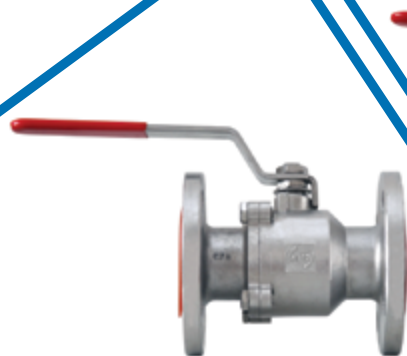


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**Sulphuryl Chloride**  
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**Direct Imports :** Diethylenetriamine, Diisopropylether (DIPE), Dimethylformamide, Dimethyl Sulphoxide, Dipropylene Glycol, Formic Acid 85% Luxi, Heptane, Hexane, Hydrogen Peroxide 50%, Isoprpyl Alcohol (IPA), Lactose Monohydrate, MSP, SAPP, STPP, TSP, TSPP, SS, SMBS, PMBS, Propylene Glycol, Propylene Glycol Monomethyl Ether Acetate, Tetraethylene Pentaamine, Tetrahydrofuran (THF)



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Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers. This page was updated on Nov 10th 2021



#### Cphi - Informa Group

No	Exhibitions	Date	Place
1	CPhi North America	May 17-19, 2022	PHL
2	CPhi Worldwide Germany	Nov 1-3, 2022	Fiera Milano, Milan, Italy
3	CPhi Middle East & Africa	TBD	Abu Dhabi, UAE
4	CPhi China- Virtual CPhi	June 21-23, 2022	SNIEC, Shanghai, China
5	CPhi Japan	Apr 20-22, 2022	Tokyo, Japan
6	CPhi Korea	TBD	Seoul, India
7	CPhi India	Nov 24-26, 2021	Noida, India

#### MECD (Coating Show)

1	Asia Pacific Coatings Show	Sept 14-16, 2022	Indonesia, Jakarta
2	Middle East Specialty Chemicals Show	June 12-14 2021	Dubai
3	Middle East Coatings Show	June 12-14, 2022	Dubai
4	Coatings For Africa	May 04-06, 2022	Sandton, South Africa

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#### CHEMS

1	Dye+Chem Morocco International Expo	Nov 24-27, 2021	Morocco
2	Dye+Chem Sri Lanka International Expo	TBD	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	TBD	Bangladesh
4	Dye+Chem Brazil International Expo	Nov 09-11 2021	Brazil

#### Red Carpet Events

1	5th Bangladesh Int'l Dyes, Pigments and Chemicals Expo	TBD	Dhaka, Bangladesh
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#### Turkey (Arkim Group)

1	InterDye Textile Printing Eurasia	Nov 24-26, 2022	Istanbul
2	Paint Istanbul TURKCOAT	Mar 17-19, 2022	Istanbul
3	Paint Expo Euroasia	Nov 25-27, 2021	Istanbul

#### Other Exhibitions

1	Paint India	Mar 10-12, 2022	JIO World Convention Center, Mumbai
2	Expo Paint and Coatings	July 28-30, 2022	New Delhi, India
3	CIPI	TBD	Mumbai, India
4	Chemspec Europe	May 31-Jun 01, 2022	Messe Frankfurt, Germany
5	ChemUK 2022 Expo	May 11-12, 2022	NBC, Birmingham, UK
6	American Coatings Show	Apr 05-07, 2022	Indianapolis
7	China Coat China	Mar 02-04, 2022	Shanghai, China Shanghai
8	Interdye China	May 31-Jun 02, 2022	China
9	Paint Expo Germany	Apr 26-29, 2022	Germany

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- ☛ 1 Naphthol , 3,6 Disulfonic Acid
- ☛ 2, 6. Dihydroxy Naphthlene
- ☛ Beta Naphthol to G. Salt
- ☛ G Salt to Amido G Acid
- ☛ Amido G. Acid to Gamma Acid
- ☛ Naphthalene 2:7 Disulfonic Acid (For Acid Green-16)



Contact

**Bharat Mehta**

**AAKAR DYES AND CHEMICALS** (Admin Office)

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Email ID : [bmaakardye@gmail.com](mailto:bmaakardye@gmail.com) • Skype ID : bharatmehta63 • Website : [www.aakardye.com](http://www.aakardye.com)

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CEO

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**Rajkumar Mandal**

Boisar, Maharashtra, India

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Product Name	Qty	Grade
Borax	1 Tonnes	Industrial

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**Sandip Agarwal**

Kolkata, West Bengal, India

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Product Name	Qty	Grade
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Details : Required the above item. Please reply via email/phone.

**Vibhu Vaidya - Krupalu Dye Stuff Industries**

Email : [krupalu@ymail.com](mailto:krupalu@ymail.com)

Mobile : 9408554819

Product Name	Qty	Grade
Acrylic Acid	500 Kg	Industrial

Details : Please contact via email or phone.

**Janardhan Raju - Katyayani Polymers**

Email : [katyayanipolymers@gmail.com](mailto:katyayanipolymers@gmail.com)

Mobile: +91-995-990-0375

Product Name	Qty	Grade
2,3 DCP (CAS # 2402-77-9)	15 MTs	Industrial

Details : Need for August. Please reply via email/phone.

**Dr. Deepak Birewar**

**Inventys Research Company**

Email : [dbirewar@inventys.in](mailto:dbirewar@inventys.in)

Mobile : +91-961-966-6333

Product Name	Qty	Grade
Detergent and Home Care Product	Container Truck load	

Details : Prefer direct manufacturer or exporters only.

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Product Name	Qty	Grade
Pharma Intermediates	-	

Details :

**Arnish**

**Chemox Chemopharma Industries**

Email : [vekariya.arnish@ymail.com](mailto:vekariya.arnish@ymail.com)

Mobile: +91-990-908-3070 (preferred)

Product Name	Qty	Grade
Acetonitrile - Virgin - 99.9% pure - CAS Number: 75-05-8	500 Kgs	VirginPure

Details : No recycled or recovered Acetonitrile, only fresh material please.

**Mr Kunal Kamat (Procurement Agent)**

**Kunal Chemicals Trading**

Email : [kunalchemicaltrading@gmail.com](mailto:kunalchemicaltrading@gmail.com)

Mobile : +91-932-001-3358

Product Name	Qty	Grade
CAS NO 60-00-4 - EDTA Acid	1 Tonnes	Industrial

Details : Please reply via email/phone

**Parthiv**

**Shiv Chem Industries**

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

Tel.: 079-2282-3447

Product Name	Qty	Grade
Sofosbuvir and Daclatasvir		

**Nirav Patel**

**Indamed Pharmaceuticals Pvt. Ltd.**

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

Mobile : +91-968-787-7922 (Preferred)



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Product Name	Qty	Grade
Ortho Xylene	20 Tons	Industrial
Toluene	10 Tons	
Glacial Acetic Acid	150 Tons	
Caustic Lye	200 Tons	
Copper Sulphate	10 Tons	
Copper Nitrate	10 Tons	
Titanium Dioxide Ana-tase Grade	3 Tons	
BF3 [Borone Trifluoride]	2 Tons	
Glycerin	5 Tons	-

Details : We Have Our Chemical Factory at Kumbhivali in Raigad District of Maharashtra, India. Required on a Monhly Basis

**Mr. Kamal Dujodwala and Pannkaj Dujodwala**

Mangalam Organics Limited

Village Kumbhivali, Savroli Kharpada Road, Khalapur - 410202, Raigad, Maharashtra, India

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

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

Tel.: +91-22-49204089

Product Name	Qty	Grade
Direct, Reactive and Optical Whiteners.		Industrial Dyes and Chemical

Details :

**Anil Kumar Gupta**

M/s Zenith Dyestuffs & Chemical Industries

Ludhiana Road, Malerkotla - 148023

Email : [zenithdyes@yahoo.co.in](mailto:zenithdyes@yahoo.co.in) / [info@idcda.in](mailto:info@idcda.in)

Tel: 01675-263328

Mobile: +91-94172-40234/92165-40234

Product Name	Qty	Grade
Sodium Bi-sulphate	Bulk	Chemical
Polysol	Bulk	

Details :

**Mr. Tejas Thakkar**

M/s Nitish Enterprises,

203, Dariastan Bldg, 33, Dariasthan Street,

Mumbai - 400003,

Tel: 98200-92170

Product Name	Qty	Grade
Non Ferrous Metals		Manufacturer

Details :

**Santosh Thakre**

S S Fine Chem Laboratories

Email : [ssfinechemlaboratories@gmail.com](mailto:ssfinechemlaboratories@gmail.com)

Mobile : 9867774142

Product Name	Qty	Grade
Bentonite	500 Kg	Technical
Caustic Soda	500 Kg	Industrial
Hydrochloric Acid (HCL)	500 Litre	Chemical

Details :

**Lal P Chacko**

Email: [lapchacko@hotmail.com](mailto:lapchacko@hotmail.com)

Phone: +91-944-702-0652

Location: Calicut, Kerela

Product Name	Qty	Grade
Boric acid		
Potassium permangnate		
Potassium iodide		
Iodine		
Light liquid paraffin		
Heavy liquid paraffin		
Petroleum jelly		
Turpentine oil		
Castor oil		
Glycerine		
Zinc oxide		
Magnesium sulphate		
Copper sulphate		

Details :

**Tajinder Goyal**

Softex Surgical

Email : [Tajinder.goyal@gmail.com](mailto:Tajinder.goyal@gmail.com)

Ph: +91-980-555-6667

Product Name	Qty	Grade
AMANTADINE HCL	1400 KGS	
NITRIC ACID	1400 KGS	
N-BUTANOL	2500 KGS	

Details : Please share the best commercial price of below mention material with terms and condition.

Note: pls send me COA of all the products to technical verify and expedite procurement procedure.

**Elixirpharma** ([www.elixirpharma.in](http://www.elixirpharma.in))

Nikhil Panchal

Plot No. 164/A, Phase - II, GIDC,

Naroda, Ahmedabad - 382 330, GUJARAT.

Email: [purchase@elixirpharma.in](mailto:purchase@elixirpharma.in)

Tel: + 91-79-22811986 Ext. : # 314

+ 91-7600010366 Ext. : # 314

Mobile: +91-98201-20633

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Product Name	Qty	Grade
Glycerine Terpinol	1 Tonnes	Industrial
Details : <b>Sanjay Rokad Shreeji Enterprise</b> Ankleshwar, Gujarat, India Email : <a href="mailto:rokadsanjay@yahoo.com">rokadsanjay@yahoo.com</a> Mobile : +91-701-615-0012		

Product Name	Qty	Grade
Acetic Acid	Tanker	
Details : <b>Dinesh Gupta</b> <b>HARESH ENTERPRISES (Wholeseller)</b> Email: <a href="mailto:setuenter@yahoo.co.in">setuenter@yahoo.co.in</a> Mobile: +91-9824200441		

Product Name	Qty	Grade
Ammonium Sulphate pure white		
Details : <b>Manish</b> <b>SM Dharani Chem Pvt Ltd( Manufacturer)</b> Email : <a href="mailto:manish@smdcpl.in">manish@smdcpl.in</a> Mobile : 9879408765		

Product Name	Qty	Grade
CAS NO 112-12-7 FISCHER'S BASE	2000 Litres	Any
Details :Required on regular basis. Min Qty 2000 Ltr. <b>Mr. Jitendra Bhalgat</b> Ahmednagar, Maharashtra, India Email : <a href="mailto:jbhalgat11@gmail.com">jbhalgat11@gmail.com</a> Tel.: 9422220871		

Product Name	Qty	Grade
Potassium Carbonate Granular	750 Kgs	Industrial
Sodium Nitrate	1500 Kgs	
Caustic Soda Flakes	2000 Kgs	
Details : Require following grade Caustic - GACL Ray- on Grade Potassium Carbonate - Equal to UBID Korea <b>Mr. Utpal Shah</b> Mumbai, Maharashtra, India Email : <a href="mailto:utpal@jayeshgroup.com">utpal@jayeshgroup.com</a> Tel.: 9820144091		

Product Name	Qty	Grade
Toulene	5000 Kgs	Industrial
Details : Kindly arrange to send us quotations <b>Santosh Taksale</b> Pune, MH Mobile: 9028843799 Email: <a href="mailto:santosh.taksale@manikchandpackaging.com">santosh.taksale@manikchandpackaging.com</a>		

Product Name	Qty	Grade
Diethylene Glycol		
Details : <b>Rakesh Bachani</b> <b>Royal Chemicals (India)</b> Email : <a href="mailto:info@royalchemindia.com">info@royalchemindia.com</a> Mobile : +91-922-150-3305		

Product Name	Qty	Grade
Naphthalene Powder	-	
Para Di Chloro Benzene Powder		
Camphor Powder		
Details : <b>Xavi</b> <b>Gabhri Pharma (Manufacturer)</b> E-mail : <a href="mailto:fragrancevalley1992@gmail.com">fragrancevalley1992@gmail.com</a> Mobile : 9847687718		

Product Name	Qty	Grade
Resorcinol	-	
Triethyl amine		
Paraformaldehyde		
Formaldehyde		
Details : <b>Ashok Patil (Manufacturer)</b> <b>DD Patil Chemicals, Amalner Dist Jalgoan</b> Email: <a href="mailto:ddchemicalsales@gmail.com">ddchemicalsales@gmail.com</a> Mobile: +91-735-022-6099		

Product Name	Qty	Grade
Pine Oil	-	
Emulsifier Alfox200		
various TOP		
Details : I need total raw materials for mfg. of Detergent powders, Floor cleaning Liquid etc. <b>Arvindbhai Vadhadia</b> <b>NewCera Minechem (Manufacturer)</b> Email : <a href="mailto:newceraminechem62@yahoo.com">newceraminechem62@yahoo.com</a> Mobile : +91-9429460123		

Product Name	Qty	Grade
3-(2-Ethyhexyloxy) Propylamine. CAS NO : 5397-31-9	5 Tonnes	Chemical
Details : Need this 5 Tonnes. <b>Raj Shah</b> <b>NASSOLKEM, BUL BUL (Manufacturer)</b> Email : <a href="mailto:natchem@gmail.com">natchem@gmail.com</a> Mobile : 7069039335		





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Product Name	Qty	Grade
CAS NO 112-12-7 FISCHER'S BASE	2000 Ltr	Any
Details : Required On Regular Basis. Min Qty 2000 Ltr. <b>Jitendra Bhalgat</b> Ahmednagar, Maharashtra, India Email : <a href="mailto:jbhalgat11@gmail.com">jbhalgat11@gmail.com</a> Mobile : 9422220871		

Product Name	Qty	Grade
Sodium Hypochlorite	500 Kgs	Industrial
Details : We need this product on a regular basis (Monthly) Please contact us if you are a manufacturer or a distributor. (Required in and around Calicut Kerala) <b>Rajshree Varshney</b> Mumbai, Mh Mobile: + 917520945076 Email : <a href="mailto:rajshree.varshney@gmail.com">rajshree.varshney@gmail.com</a>		

Product Name	Qty	Grade
Tera Hydrofurin (thf)	-	
Details : We are Trader and Deal in api and solvents <b>Rajiv Kapoor</b> Global Enterprises (Traders) Mobile: 8866506582 Email : <a href="mailto:globalenterprisespurchase@gmail.com">globalenterprisespurchase@gmail.com</a>		

Product Name	Qty	Grade
Modified Starch	1 Tonnes	Technical
Details : for our won purpose <b>Purushotham M</b> Salem, Tamil Nadu, India Mobile: +919443326055 Email : <a href="mailto:sreestarch@gmail.com">sreestarch@gmail.com</a>		

Product Name	Qty	Grade
Trifluoromethyl benzene (CAS 98-08-8)	300 Kgs	Industrial
Details : for our won purpose <b>Chetan Lakhpati</b> Thane, Maharashtra, India Mobile: 9920337763 Email : <a href="mailto:clakhpati@gmail.com">clakhpati@gmail.com</a>		



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

Product Name	Qty	Grade
QUARTASEPT (CMD 14-005)	500 Kgs	Chemical
Details : An Aviation/Airline Disinfection product that complies with the widely used industry specifications AMS1452 or AMS1453 (Such as substances containing 62% -71% ethanol alcohol, 0.5% hydrogen peroxide, or 0.1% sodium hypochlorite). <b>Kishor at Moglix</b> Noida Mobile: 96503-64721 Email : <a href="mailto:Kishor.tarafdar@moglix.com">Kishor.tarafdar@moglix.com</a>		

Product Name	Qty	Grade
IPA		
Details : Bulk requirement <b>Amit Dave</b> Amit International (Distributor) Email : <a href="mailto:amitintl@zoho.com">amitintl@zoho.com</a> Mobile : 9821323563		

Product Name	Qty	Grade
Fast Red KD Base (HS Code – 29225014)	2 t every month	
Napthol AS-LC ( HS Code – 32041929)		
Napthol ASIRG ( HS Code - 29242990)	500 kg every month	
Dimethylsuccinyllo Succinate (DMSS) – HS Code 29181990		
Napthol AS – HS Code 29242990		
Napthol AS-PH - HS Code - 32041921		
1,2-Bis(2-aminophenoxy) ethane – HS Code 29222990		
2,4,6 Trichloro Aniline	100 Kgs	Chemical
Details : <b>Pravin Iyer</b> AT Pigments (Manufacturer) Email : <a href="mailto:pravin.iyer@atpigments.com">pravin.iyer@atpigments.com</a> Mobile : 9898507767		

Product Name	Qty	Grade
Silica Sand	500 Tonnes	Industrial
Details : <b>Mr. Haroun Mousa</b> Dammam Mobile: 00966566663350 Email : <a href="mailto:haroonmousa69@gmail.com">haroonmousa69@gmail.com</a>		



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Product Name	Qty	Grade
Titanium dioxide		
Details : <b>P. DO. SHAH</b> <b>SEMITONE INDIA (Manufacturer)</b> Email : <a href="mailto:prakash@pcf.co.in">prakash@pcf.co.in</a> Mobile : 918850655380		

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click on the email link to send an email*

Product Name	Qty	Grade
Glacial Acetic Acid	30 Kgs	
Details : Please send us the below information of this product with COA / spec If you have any query then feel free to contact me directly. Thank you in advance, and look forward to receive the requested information from you. Abhishek Jha (Executive Purchase) <b>Abhishek Jha</b> <b>Valsad, Gujarat, India</b> Email : <a href="mailto:pur5@triveniinterchem.com">pur5@triveniinterchem.com</a>		

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Product Name	Qty	Grade
Barium Titanate		
Calcium Titanate		
Lead Titanate		
Lithium Titanate		
Details : <b>P. DO. SHAH</b> <b>SEMITONE INDIA (Manufacturer)</b> Email : <a href="mailto:prakash@pcf.co.in">prakash@pcf.co.in</a> Mobile : 918850655380		

Product Name	Qty	Grade
Industrial Label Gum 38051010		
Details : <b>Janardhan</b> <b>Katyayani Polymers (Manufacturer)</b> Email : <a href="mailto:katyayanipolymers@gmail.com">katyayanipolymers@gmail.com</a> Mobile: +91-995-990-0375		

Product Name	Qty	Grade
Purified Terephthalic Acid	-	Trader
Details : <b>Rakesh Bachani</b> <b>Royal Chemicals (India)</b> Email : <a href="mailto:info@royalchemindia.com">info@royalchemindia.com</a> Mobile : +91-922-150-3305		

Product Name	Qty	Grade
Toluene c9 and solvents	-	Trader
Details : We are Trader and Deal in api and solvents <b>Rajiv Kapoor</b> <b>Global Enterprises (Traders)</b> Mobile: 8866506582 Email : <a href="mailto:globalenterprisespurchase@gmail.com">globalenterprisespurchase@gmail.com</a>		

Product Name	Qty	Grade
Reactive Dyes	Bulk	Distributor
Ramazoles		
Vat Dyes		
Details : <b>M/s Diamond Dyes Industries Pvt. Ltd.</b> 102, Nain Krupa, 1st Floor, 118/112, Kazi Sayed Street, Masjid (West), Mumbai - 400 003 Tel: 022-2340-2754 Mobile: (Bharat Bhai) 093241-36095 Dilip: 093242-48986 Email: <a href="mailto:bharatd18@gmail.com">bharatd18@gmail.com</a>		

Product Name	Qty	Grade
Atul Direct Fast Orange GR		
Atul Direct Violet Extra		
Atul Direct Fast Scarlet 4BS		
Atul Acid Orange II		
Atul Crocein Scarlet Moo		
Amarthol Asph		
Solophenyl Fast Grey Rln		
Ciba Typewriter Brand Direct Green		
Solophenyl Blue BL 200		
Chemicals		
Mitesh Modi Contact : 9830090208, 9339459367 Email : <a href="mailto:amritdyes1952@gmail.com">amritdyes1952@gmail.com</a>		

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Product Name	Qty	Grade
Alfa Naphthols		
Diethyl Meta Toluidine		
2 Nitro Di Methyl Terephthalate		
5 Nitro 2 Amino Phenol		
Aceto Acetanilide		
Meta Phenylene Di-amine		
Ortho & Para Anisidine		
Dye Intermediates		Broker
Chemicals		Broker

Details

**M/s H. Rameshkumar**

**Goradia House, 3rd Floor, Room No. 309, 100/104, Kazi Sayed Street, Mumbai - 400-003**

**Tel: 022-2344-4365**

**Mobile: +91-93231-36833**

Product Name	Qty	Grade
2Methoxy Naphthalene which is use in agarbatti and perfume		
4 chloro anisole		
Sodium sulphate		

Details :

**Ashok Patil**

**DD Patil Chemicals, Amalner Dist Jalgoan**

**Email: [ddchemicalsales@gmail.com](mailto:ddchemicalsales@gmail.com)**

**Mobile: +91-735-022-6099**

Product Name	Qty	Grade
ACETIC ACID cas number 64-19-7 / Hsn number 29152100		
Hydracloric Acid		

Details :

**Dinesh Gupta**

**HARESH ENTERPRISES (Wholeseller)**

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

**Mobile: +91-9824200441**

Product Name	Qty	Grade
Ammonium Sulphate caprolactum grade		

Details :

**Manish**

**SM Dharani Chem Pvt Ltd( Manufacturer)**

**Email: [manish@smdcpl.in](mailto:manish@smdcpl.in)**

**Mobile : 9879408765**

Product Name	Qty	Grade
Sodium Bi Sulphate	-	-

Details :

**M/s Anant Corporation / Nitish Enterprise**

**203, Dariyasthan Chambers, 2nd Floor, 33, Dariyasthan Street, Masjid (West), Mumbai - 400 003**

**Tel: 022-6331-2140 Fax: 022-2347-1894**

**Mobile: 098200-92170, 098198-61068**

**Email: [nitish2846@gmail.com](mailto:nitish2846@gmail.com)**

Product Name	Qty	Grade
Plastic Bottles		
Carboys		
M.S. Capsules		
Bungs		

All Types of Sealing Machines

Details :

**M/s Samir Brothers**

**Ashok Niwas, 2nd Floor, Daulat Nagar, Road No. 3, Borivali (East), Mumbai - 400 066.**

**Tel: 022-2808-1542 / 022-2805-9475 /**

**022-2855-8035 (R)**

**Contact For: Plastic Bottles, Carboys, M.S. Capsules, Bungs & All Types of Sealing Machines**

Product Name	Qty	Grade
Red 195	-	-
Red 196		
Red cd		
Orange me2rl		
Orange 72		
Fast Magenta		
Yellow FG		
Blue me2rl		
Blue gg		
Blue me2gl		
Blue 222		
Yellow ME4GL		
Yellow H7GL		
Yellow 95(P6GS)		
Yellow 37(GL)		
Yellow HE6G		
Red (P4BN)		
Red HE88		
Red HE7B		

Details :

**Jitendrabhai**

**Mobile : +91-9904063662**





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Product Name	Qty	Grade
Pigment Yellow 74 (5 GX) (2 GX)		
Pigment Red 146		
Pigment Yellow 83		
Pigment Red - 2		
Pigment Violet - 19		
Red - 122		
Red - 112		
Yellow - 180		
Yellow - 151		

Details : We want Indian manufacturers for pigment intermediates listed above. we are into manufacturing organic pigments.

**Pravin Iyer**

AT Pigments (Manufacturer)

Email : [pravin.iyer@atpigments.com](mailto:pravin.iyer@atpigments.com)

Mobile : 9898507767

Product Name	Qty	Grade
Textile binders		
Paint & Construction Chemicals		
Wood Adhesives		
Adhesives for Printing & Packaging Industries		
Leather Chemicals		

Details :

**R P Agrawal**

Texochem Industries (Manufacturer)

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

Mobile : 919820217042

Product Name	Qty	Grade
Glycerine	12 Tons	Manufacturer

Details :

**Tajinder Goyal**

Softex Surgial

Email : [Tajinder.goyal@gmail.com](mailto:Tajinder.goyal@gmail.com)

Ph: +91-980-555-6667

Product Name	Qty	Grade
Pharma Intermediates	-	

Details :

**Arnish**

Chemox Chemopharma Industries (Manufacturer)

Email : [vekariya.arnish@ymail.com](mailto:vekariya.arnish@ymail.com)

Mobile: +91-990-908-3070

Product Name	Qty	Grade
KAILASH brand detergent paste		
detergent round tablet		
home care products for cleaning purpose		

Details :

**Jagdish Thakral**

Shri Hariram Export Pvt. Ltd. (Manufacturer)

Email: [jthakral@kailashgroup.com](mailto:jthakral@kailashgroup.com)

Phone : 07122734041

Product Name	Qty	Grade
Polyacrylamide		
Hydrochloric Acid		
Industrial Safety Mask		

Details : Bulk requirement

**Amit Dave**

Amit International (Distributor)

Email : [amitintl@zoho.com](mailto:amitintl@zoho.com)

Mobile : 9821323563

Product Name	Qty	Grade
Hydrazine Hydrate 80%		

Details : we have stock of our own imports

**Anamika soni**

Punjab Chemicals & Crop Protection Ltd  
(Manufacturer)

Email : [anamika@punjabchemicals.com](mailto:anamika@punjabchemicals.com)

Mobile : 9867724805

Product Name	Qty	Grade
EDTA Tetra Sodium Liquid	-	

Details :

**Parthiv**

Shiv Chem Industries (Manufacturer)

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

Tel.: 079-2282-3447

Product Name	Qty	Grade
Diffubenzurone	250 Kg 500 Kg	

Details :

**CHANDRESH HAPANI**

ANIMED (Distributor)

Email : [animed6@yahoo.co.in](mailto:animed6@yahoo.co.in)

Mobile : 9830175616



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Product Name	Qty	Grade
Sulphur Powder		
Sulphur Roll		
Details : we are manufacturers of Sulphur powder and Sulphur roll <b>Adesh</b> <b>J.K.Industries, Deoband (Trader)</b> Email : <a href="mailto:jkind.dbd@gmail.com">jkind.dbd@gmail.com</a> Mobile : 9412113914		

Product Name	Qty	Grade
Mercuric Chloride		
Details : <b>Surendra Agrawal</b> <b>Ankur Chemicals (Manufacturer)</b> Email : <a href="mailto:ankurchemical@yahoo.com">ankurchemical@yahoo.com</a> Mobile : 09352500959		

Product Name	Qty	Grade
Personal Care		
Home Care		
Detergent raw materials		
APG		
Decyl glucoside		
Coco Glucoside		
Lauryl Glucoside		
Saurasoft 612 (Lipid Layer Enhancer)		
MES Liquid (Methyl Ester Sulphonate)		
PEG 400		
Defoamer		
Emulsifier		
Wetting Agent		
Buffering agent - pH stabiliser		
Klenz B - Disinfectant Cleaner		
FW 351 - Glucoside based fruit and vegetable wash		
Saurawash 201 (Concentrated Glucoside based antimicrobial Hand Wash)		
Details : <b>Prashant Satpute</b> <b>Sauradip Chemical Industries Pvt. Ltd. (Manufacturer)</b> Email : <a href="mailto:prashant.satpute@sauradip.com">prashant.satpute@sauradip.com</a> Mobile : 09769015004		

Product Name	Qty	Grade
Solvent Dyes (solvent yellow 82 & orange 62)		
Details : <b>Prakash Patel</b> <b>NAVDURGA DYES &amp; CHEMICAL (Manufacturer)</b> E-mail : <a href="mailto:navdurgadyes@gmail.com">navdurgadyes@gmail.com</a> Mobile : 9022673905		

Product Name	Qty	Grade
Sanitizing Alcohol Swabs 70 percent IPA / 67-63-0 / 3005 / Isopropyl Alcohol / 70 percent / Medical	Bulk	Medical
Details : <b>Sameer Makhija</b> <b>Mak Medicals Private Limited (Manufacturer)</b> Email : <a href="mailto:makmedicalsltd@gmail.com">makmedicalsltd@gmail.com</a> Mobile : +91-987-140-8777		

Product Name	Qty	Grade
Inorganic Salts		
Details : <b>Santosh Thakre</b> <b>S S Fine Chem Laboratories (Manufacturer)</b> Email : <a href="mailto:ssfinechemlaboratories@gmail.com">ssfinechemlaboratories@gmail.com</a> Mobile : +91-986-777-4142		

Product Name	Qty	Grade
Borax	Bulk	
Details : <b>Sandip Agarwal (Distributor)</b> <b>Supreme Borochem Private Ltd</b> E-mail : <a href="mailto:sandip@sbpl.co.in">sandip@sbpl.co.in</a> Mobile : +91-983-100-1334		

Product Name	Qty	Grade
General Tablets and Liquid Syrup		
NSAIDs		
Cough syrup		
Narcotics formulation		
Antibiotics		
Details : <b>Nirav Patel</b> <b>Indamed Pharmaceuticals Pvt. Ltd. (Manufacturer)</b> Email : <a href="mailto:indamedpharma@yahoo.co.in">indamedpharma@yahoo.co.in</a> Mobile : +91-968-787-7922		



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## Printer and Publisher:

Parimal Parikh

## Website:

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

## Published by

**Parimal B. Parikh** at

401/C Himachal Bldg, Opp. Sunder Nagar, S.V.Road, Malad (West), Mumbai 400064.

Mobile: 91-87798-30330

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## Online Subscription:

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

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## Leads Platform Subscription:

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# CHEMICAL MARKET

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

## *Sustainability and the Economy 2022*

### **Achieving NET ZERO Greenhouse Gas emissions**

We read about “achieving net zero greenhouse gas emissions” a lot these days in various articles online and in reports and from big multinational companies.

### **What is net zero greenhouse gas emissions?**

Achieving net-zero emissions means that some greenhouse gases are still released, but these are offset by removing an equivalent amount of greenhouse gases from the atmosphere and storing it permanently in soil, plants, or materials

### **Is net zero carbon emissions possible?**

According to the report, without a major acceleration in clean energy innovation, getting to net zero by 2050 will not be possible. In fact, the technologies on the market today will provide nearly all of the emissions reductions needed by 2030 to put the world on track for the 2050 goal.

### **What happens if we reach net zero emissions?**

If emissions go to zero, these “carbon sinks” continue to take up some of the extra CO<sub>2</sub> that was emitted in the past – quickly at first and then more slowly over time as they move toward a new equilibrium. This reduces the levels of CO<sub>2</sub> in the atmosphere and, thus, the warming it causes.

### **What's ahead in 2022?**

As the chemical industry is moving towards the middle of 2022, strong demand for commodity and specialty chemicals continue to keep the prices strong throughout the year. Based on the global commodity markets the prices are rising and fear of inflation is increasing at a rapid rate. The war situation in Europe may or may not get escalated based on the moves done by the two European countries Finland and Sweden trying to join the NATO. Pressure is from the Russian side to prevent these neighboring countries from joining NATO. Things can be quite volatile based on every action taken by countries to counter the Russians. This in turn can cause to industry to face margin pressure amid raw material cost inflation, which is likely to remain high in the coming months.

To achieve net neutralization is a costly affair and all the above factors like increasing cost of raw materials, lower demands and inflation can cause this delay of sustainability and decarbonization.

### **Revolution**

We see a revolution in the automobile and power sectors. The rise of electric vehicles will in turn cause a rise in energy demands but not from fossil fuels but from renewal energy sources like wind, solar and hydro which in turn is going to store this energy into batteries which in turn will affect the chemical industry. It's a cycle, and this time the cycle is for good. There are several companies getting into the physics and chemistry of batteries to store energy and recycle these elements used for batteries. Several chemical companies are taking part in redesigning and creating tools and elements for use in renewable energy sector, including Tata Chemicals, Laxness and BASF to name a few. The cost of Lithium used in batteries is rising and has reached enormous high levels. There are other chemicals like Cobalt and Zinc and Manganese which are in high demand to power these batteries.

The chemical industry in 2022 is not immune to rising raw material and energy costs and supply chain challenges. The stress experienced by decision makers is hard to characterize as the issues are at the freight container levels at the ports and border delays and other labor shortages. Soaring oil prices also adds to the costs of moving the finished products. International coal prices are around five times their levels a year ago and power plants in China and India, the world's two largest coal consumers, warned of very low stocks ahead of the winter season. The natural gas that comes to Germany from Russia a \$ sanctioned country is also putting pressure on world's energy prices. “Neither the shortage of materials nor the high energy costs are expected to improve soon”, German chemical industry association (VCI) president Christian Kullman warned in a statement on the energy prices. “These factors are weighing on the economy and will lead to a further cooling of chemical business in the coming winter.”

-Rajiv Parikh



## Mortuary Bag Market Projected to Reach US\$ 498.62 Mn by 2027, Exhibiting A CAGR of 4.83% In The Forecast Period 2022 To 2032, Says FMI

**D**UBAI, UAE, March 21, 2022 / PRNewswire/ -- The mortuary bags market was worth US\$ 375.64 Mn in 2021 and is predicted to increase at a CAGR of 4.83% in the next years to US\$ 498.62 Mn by 2027

Attributes	Details
Mortuary Bag Market CAGR (2022 – 2032)	4.83%
Mortuary Bag Market (2021)	US\$ 375.64 Mn
Motor Bag Market (2027)	US\$ 498.62 Mn

The increased incidence of diseases and pandemics, as well as an increase in the number of traffic accidents, are some of the primary causes driving up demand for mortuary bags. The number of people killed in car accidents has risen in recent years

Pandemics and epidemics are expected to become more often in the future, boosting mortuary bags market development. Virus-related fatalities necessitate the use of high-grade mortuary bags. Even after an infected individual dies, the virus can spread. The emergence of diseases and pandemics such as COVID-19, Ebola, MERS-CoV, and avian flu in recent years has raised demand for mortuary bags across the world.

Furthermore, the rising prevalence of several non-communicable disorders is expected to increase the mortuary bags market throughout the forecast period. Over the projected period, Polyvinyl

Chloride (PVC) the raw material sector of mortuary bags market is expected to increase at the quickest rate. PVC is a cost-effective synthetic material that ranks third in popularity. It's utilised to make mortuary bags because it efficiently prevents bodily fluid leaking. Mortuary bags are also used to wrap the bodies of people who have died as a result of infectious illnesses.

Polyethylene is a lightweight, long-lasting, low-cost material that is used all over the world in the mortuary bags market. Polyethylene is primarily utilised in the production of mortuary bags, which are used to wrap and transport the bodies of non-communicable illness patients.

Due to the increasing frequency of cardiovascular disorders, the hospital segment of mortuary bags market is expected to increase at the quickest rate throughout the projection period.

Over the projected period, a rising number of individuals suffering from various types of cardiac illnesses and disorders are expected to support mortuary bags market growth.

Over the projection period, demand for heavy duty and bariatric bags is expected to increase significantly. The rising incidence of obesity throughout the world is responsible for the segment's rise in mortuary bags market.

Refrigerators are used in morgues rooms to slow the decomposition of deceased bodies held for autopsy or research. Hu-

man bodies are wrapped in mortuary bags and preserved in freezers in the morgue. Furthermore, deaths from traffic accidents and criminal activity have grown in recent years, and the bodies are sent to the morgue for further examination.

The increased frequency of the COVID-19 pandemic and the region's expanding obese population are driving the mortuary bags market in North America.

Over the projected period, the mortuary bags market in Asia Pacific is expected to develop at the quickest rate. The rising incidence of diabetes and the growing elderly population in the area are driving the mortuary bags market's expansion.

Adults in India have an 8.9% prevalence incidence of diabetes. The high incidence of diabetes in the area is projected to support the mortuary bags market's growth.

Read the full report : <https://www.futuremarketinsights.com/>

If you want your report abstract to be published please contact [Info@dyeschemicalmarket.com](mailto:Info@dyeschemicalmarket.com)



# Global Polymer Emulsions Markets, 2018-2021 & 2022-2027: Water-Based Polyurethane Emulsions Gaining Popularity & Waterborne Nano-Emulsions of Polyvinyl Acetate-Polyurethane Coatings in Demand

DUBLIN, April 1, 2022 /PRNews-wire/ -- The "Global Polymer Emulsions Market - Polymer Types, Applications and End-Use Sectors" report has been added to ResearchAndMarkets.com's offering.

Polymer Emulsions are most widely consumed in Paints & Coatings, estimated at US\$15 billion (46.8% share) in 2021 and forecast to be US\$22.26 billion by 2027. The segment is also projected to be the fastest growing application area on a global basis during the period 2022-2027. The overall market for Polymer Emulsions is expected to reach US\$33.3 billion in 2022.

The report reviews, analyzes and projects the global polymer emulsions market for the period 2018-2027 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2022 through 2027 with a special focus on pandemic impact during 2019-2021.

The Polymer Emulsion sector had to face adverse consequences, since the major areas where these products are used either curtailed or completely shut down business activities.

Textiles and General Industrial end-use areas for Polymer Emulsions had to face the brunt of major downtrends, with the

Building & Construction and Automotive industries also posting a decline in demand between 2019 and 2020, which spilled slightly over to 2021 too.

However, the year 2022 shows hope for recovery, provided the newly detected Omicron variant of the virus as 2021 is subjugated as fast as possible and, as is being widely reported, not cause for major concern.

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

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# Global Biobased Chemicals and Materials Market Forecasts to 2030: Key Players, End-use Markets, Production Processes, Costs, Production Capacities and Market Demand

DUBLIN, March 21, 2022 /PRNews-wire/ -- The "Global Biobased Chemicals and Materials Market Report 2022" report has been added to ResearchAndMarkets.com's offering.

The Global Biobased Chemicals and Materials Market Report 2022 provides an 865-page in-depth analysis of how biomass-based solutions are utilized in the manufacture of bulk, fine and specialty chemicals, plastics, polymers and fuels.

Building new value chains through the

utilisation of bio-based and biomass components for the development of innovative products will accelerate the transition from traditional production technologies to the concept of biorefineries. Developing bio-based chemicals, polymers and products in a sustainable manner allows for substantial new business opportunities.

The report covers production methods, production capacities, biorefineries, bio-based chemicals, bioplastics, biopolymers and biobased fuels with profiles of over 600 producers and product

developers. The global opportunities offered by the transition to a more sustainable, low waste economy are vast, and the last decade has seen a substantial increase in interest in bio-based chemicals with many drop-ins or novel bio-based chemicals being developed and introduced to the market

Read the full report : <https://www.gminsights.com/request-sample/detail/2362>

If you want your report abstract to be published please contact [Info@dyeschemicalmarket.com](mailto:Info@dyeschemicalmarket.com)



# Tire Industry Specialty Chemical Leader Flexsys Appoints Sandip Tyagi as Chief Executive Officer

**A**KRON, Ohio, March 21, 2022 / PRNewswire/ -- Flexsys, a leader in critical specialty chemicals for the tire industry with a global asset footprint, today announced it has named Sandip Tyagi as Chief Executive Officer.

Flexsys is the former tire additives business of Eastman Chemical Company and was acquired in November 2021 by an affiliate of One Rock Capital Partners, LLC ("One Rock"), an operationally focused private equity firm.

Mr. Tyagi will join Flexsys on April 4 and will lead the newly independent organization to drive continued execution of its growth-oriented strategy. Mr. Tyagi has almost three decades of relevant experience supplying multiple industries including automotive, electronics, healthcare, aviation/aerospace and infrastructure. Most recently, he served as President & General Manager of the Formulated Specialties division of Momentive, where he ran a global business and oversaw its Korea operations, with

over \$1 billion in combined revenues. Prior to Momentive, he held various roles with GE Silicones.

A proven business leader, Mr. Tyagi has lived in both Europe and the US while running businesses based in those geographies over the course of his career, gaining deep expertise starting and expanding businesses while simultaneously leading, recruiting and developing employees in cross-functional global and regional teams.

**"We're pleased to announce Sandip as Flexsys' new CEO and look forward to the company's next chapter under his leadership," said Michael Modak, an Operating Partner at One Rock and a member of the Flexsys Board of Directors.**

**"Sandip's deep knowledge and expertise, as well as his alignment with the company's culture and objectives, will be invaluable as Flexsys works towards numerous, exciting growth opportunities to further strengthen its position as the leading global supplier of critical additives to the tire industry."**

"Flexsys is known for its excellence in quality, service and innovation, and I'm thrilled to join the company at such an exciting time in its trajectory," said Mr. Tyagi. "I look forward to building on the momentum the company has achieved and to leading the team in executing our growth-oriented strategy."

Source : PRNewswire

# Toray and Chemosvit Form a Partnership to Promote Waterless EB Offset as the Sustainable Solution for the Future of Flexible Packaging

**T**okyo, Japan, March 22, 2022 - The result of this cooperation will be a one-of-a-kind flexible film printed by waterless EB offset which could be used in different packaging solutions. As the first example, Chemosvit and Toray today revealed a new mono-material pouch sample with a barrier function,

which not only reduces CO2 emissions but also contributes to the circular economy.

Offset printing technology in flexible packaging is still not as widely used as gravure and flexographic printing, but is beneficial especially in short and medi-

um runs as it has a shorter time to market and offers more flexibility for production, as offset plate can be imaged within minutes.

**Recently these advantag-**

(Continue on Page 41)





## SABIC TO LAUNCH AT APEC 2022 40% THINNER ELCRES™ HTV150A FILM FOR FURTHER ADOPTION OF HIGH-HEAT SIC INVERTER TECHNOLOGY FOR XEV

SABIC, a global leader in the chemical industry, will introduce at the 2022 Applied Power Electronics Conference (APEC) in booth #1718, a new, thinner gauge of its ELCRES™ HTV150A dielectric film which may be used for capacitors in the traction inverters, onboard chargers and electrical compressors of hybrid, plug-in hybrid and battery electric vehicles (xEV). The 3-micron (µm) film is 40 percent thinner than SABIC's recently announced 5 µm film, enabling further volume and weight reductions and greater design flexibility through enhanced energy density for the capacitor. Like the 5 µm ELCRES HTV150A film, this exceptionally thin film maintains stable performance at high operating temperatures up to 150°C and addresses the critical performance gap experienced by traditional polypropylene (PP) films above 135°C. This new level of thermal performance helps customers to increase the adoption of SiC power modules with smaller package size due to the higher energy density, reducing weight while providing the increased efficiency and performance desired for increased xEV adoption by consumers.

SABIC's participation at APEC will include a technical presentation by Dr. Adel Bastawros, chief scientist, Technology & Innovation, on March 22. His presentation, titled "ELCRES™ HTV150A

Film – New Generation Capacitor Films for High Heat Inverter Applications," will begin at 2:30pm Central Daylight Time (CDT). At its booth, the company will exhibit ELCRES HTV150A film and typical capacitor applications.

**"When we launched the five-micron ELCRES HTV150A film last year, we committed to develop thinner gauges to meet requirements for different capacitor voltages – and we've delivered on that pledge," said Greg Stoddard, technical director, Resins and New Chemistries, SABIC.**

**"Our new three-micron film can help customers design smaller package sizes that potentially avoid the use of active cooling systems associated with films that perform at lower tem-**



**peratures. As OEMs design electric and hybrid vehicles to operate at specific voltages, the new three-micron film can help with differentiation by providing tai-**

**lored properties. Segmentation of voltage performance aids automakers to match capacitor performance to the needs of different vehicles in their product lines."**

**HIGHER TEMPERATURES, THINNER GAUGES**

ELCRES HTV150A dielectric film is the first capacitor film in the industry to be engineered for stable performance at operating temperatures of -40°C to 150°C and frequencies up to 100 kHz, while offering stable capacitance, high insulation resistance and good dielectric performance (dielectric constant (Dk) of 2.9, dissipation factor (Df) of 0.002). Other key properties include high breakdown strength over the full temperature range, good self-healing and excellent adhesion to aluminum and zinc. The film has been validated by customers for use with both film-foil and metalized electrodes. Capacitors built with 3 µm and 5 µm metalized films pass standard electrical and life tests at 150°C for 2,000 hours with low capacitance change and stable insulation resistance. Additional

key features and benefits, typical properties and potential applications for SABIC's ELCRES HTV150A film portfolio can be found in SABIC's new brochure.

SABIC will continue to develop new products to meet higher heat requirements as inverter technology continues to advance, demonstrating its continued commitment to deliver innovative material and film technologies to power electronics.

Source : Sabic



## EVONIK AND VESTARO CONSORTIUM PARTNERS DEVELOP NEW GENERATION OF ELECTRIC VEHICLE BATTERY PACKS, THE "PURE PERFORMANCE BATTERY"

- Novel approach is based on lightweight Sheet Molding Compounds for high voltage battery module housings
- Semi-integral vehicle-integration process meets energy saving and safety demands for all future vehicle types
- Evonik's expertise in composite-matrix systems enable high performance and fast charging capabilities at reasonable costs

M<sup>a</sup>rl/Esse, Germany. Evonik as part of the VESTARO GmbH consortium of companies working to produce lighter and more cost-effective solutions for battery electric vehicles (BEV), has developed a new generation of battery packs, the "Pure Performance Battery" (PPB). Based on Sheet Molding Compound (SMC) technology made using Evonik's curing agents, the new holistic battery system concept provides the automotive industry with a safe, lightweight, and most importantly cost-effective alternative to the traditional heavier metal-based solutions.

Formed at the end of 2019 to investigate alternative battery solutions, VESTARO first developed a new cost-effective glass fiber (GF)-SMC cover based on Evonik's high-performance epoxy curing agent VESTALITE® S. In addition to reducing the weight of the battery housing by almost 10 percent compared

to equal performing covers made from more cost-prohibitive materials, the state-of-the-art SMC materials also deliver the performance levels of previous metal-based enclosures but enable the design-freedom for semi-integral integration.

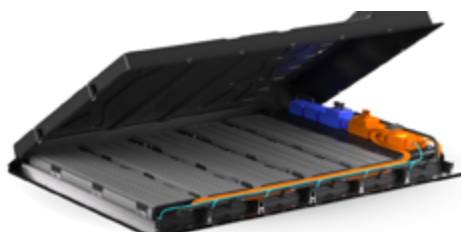
Following the publication of the successful results of VESTARO's new GF-SMC cover produced by VESTARO partner, Lorenz Kunststofftechnik at the beginning of 2021, the consortium was boosted further when TIER 1 automotive component manufacturer, Minth GmbH joined. With the additions of Minth's in-depth know-how for aluminum solutions, the enhanced consortium tackled two major challenges for today's battery packs: the bottom impact use case and the vehicle integration.

To meet these stringent OEM requirements in terms of side pole, and bottom impact without any leakage or failure, the consortium came up with a novel approach that fully utilized the design freedom of the versatile SMC material. The old bottom structure was replaced with an aluminum sandwich plate developed by Minth GmbH, which increases the performance in terms of the bottom impact, but also plays a key role in the semi-integral vehicle concept. With this concept the consortium was able to remove the additional side deformation elements and use the freed space for more battery cells instead.

Additionally, due to the improved bottom impact performance of the sandwich floor, the space required for the module mounting could be reduced. The creation of these extra spaces for battery cells has led to an overall capacity increase of 10kWh, from 65 to 75 kWh, with nearly the same outer dimensions of the battery pack compared

to the Group's previous generation.

**"Our new battery pack is designed for performance and it's the exceptional properties of our VESTALITE® curing agents that give the unique Epoxy-SMC-cover its outstanding performance and safety potential in terms of fire-resistance and crash behavior," said Sebastian de Nardo, Marketing Director for Adhesives and Composites at Evonik. "We've successfully overcome all concerns regarding the EMI-shielding performance of the GF-composites using Evonik's broad material toolbox and expertise and we can tailor the PPB's performance to meet each customer's individual requirements."**



Designed and validated using Forward Engineering's unique BEV-floor structure development tool, the new "Pure Performance Battery" is around 2.1 meters long and 1.58 meters wide with maximum heights between 0.15 – 0.22 meters (Penthouse-architecture) and is suitable for a variety of vehicle architectures. In terms of weight, the new GF-SMC cover-based PPB competes with today's high-end solutions but delivers a significant increase in performance.

Additionally, the battery's semi-integral



modular series design enables flexible adjustment of the number of modules, and the production of complex geometries in a one step process enables tailored battery performance levels to suit all regional requirements. The super-cell concept is based on LION Smart's LIGHT Battery which enables a calculated fast charging result of around 13 minutes with charging power constantly above 200 kW (10 % - 80 % SOC). The system is currently being developed with the aim of achieving charging times of less than 10 minutes.

Improving the sustainability of vehicle components is also an important topic for the automotive industry, so the new cover has been designed to be easily demounted to provide quick access to battery-modules and peripheral equipment. Additionally, the cover itself can be recycled via LORENZ Kunststofftechnik's unique recycling process and used again for new composite parts. The VESTARO joint venture's development partners Evonik & Forward Engineering GmbH, together with Lorenz Kunststofftechnik GmbH, LION Smart GmbH and Minth GmbH fully understand the complex dynamics of the industry and have the shared automotive engineering and materials expertise to deliver final battery-packs today to interested customers. Additional "mix-and-match" services to cater for other potential customer requests are also possible through the VESTARO consortium partners.

Source : Evonik

## BASF CONTINUES GLOBAL PARTNERSHIP WITH WORLDSKILLS TO DEVELOP NEW TALENT IN THE CAR PAINTING INDUSTRY

- BASF has signed a multi-year global industry partnership as the exclusive sponsor of the Car Painting category of WorldSkills International
- The company's long-running support reflects its commitment to developing talent and driving innovation
- Competitors will use premium refinish products of the Glasurit brand

**B**ASF's Coatings division has signed a new multi-year Global Industry Partnership with WorldSkills International. The agreement continues BASF's long-standing commitment to developing new talent in the automotive refinish industry and solidifies BASF's support of the next global WorldSkills Competition, which will be held in Shanghai, in October 2022.

Founded in 1950 and held every two years in different parts of the world, WorldSkills Competitions are the gold standard of excellence for up-and-coming talent to show off their vocational skills. Young Competitors reach new heights, while getting the training and skills needed to enter the world of work. WorldSkills Competitions have been on hold since 2020, due to the global pandemic, and BASF's sponsorship is meant to help Competitors embrace the challenge, reconnect, and recalibrate after the delay.

"BASF realizes the need for young, well-trained talent is growing worldwide, and is proud to partner with WorldSkills," said Fabien Boschetti, Director, Global Marketing, Automotive Refinish Coatings Solutions. "The event brings together young people, industry, government, education, and institutions

to promote the benefits of our industry. It helps them turn their passion into a profession as a skilled car painter. "Vocational skills are more important than ever. Young people will lead us on the road to global economic recovery and help us confront future challenges," said Boschetti. "BASF is proud to partner with WorldSkills International for the next three years through this agreement with the first right to continue beyond that."

Competitors from more than 60 countries are expected to attend the 46th WorldSkills Competition on October 12-17, 2022 in Shanghai, China. Car Painting is one of the 63 different skill competitions that will be held. Those competing in the Car Painting category will use products from BASF's premium refinish brand Glasurit, as they have in the past.

BASF China has recently signed the letter of intent with the WorldSkills Shanghai 2022 Executive Bureau as the exclusive car painting sponsor of WorldSkills Shanghai.



**"As the world and BASF prepares for the grand finals of**

**WorldSkills Competition in Shanghai this year, we're very excited to use our extensive knowledge, people, and training excellence supported by Refinity® digital tools in China on a global platform to help prepare a next generation of spray painters in a refinish world now driven by sustainabili-**





**ty and digitalization benchmarks. The program will help build both economic and social prosperity in the profession," said Patrick Zhao, Senior Vice President, BASF Coatings Solutions Asia Pacific.**

At the same time, WorldSkills will open its WorldSkills Museum to the public. Situated on the banks of the Huangpu River in Yangpu District, the museum is the first of its kind in the world. New exhibits, including Glasurit, will tell the story of how skills have changed and impacted the lives of people and societies around the world.

Source : BASF

## UNIVAR SOLUTIONS AND DOW EXPAND GLOBAL RELATIONSHIP WITH LUBRICANTS & METALWORKING FLUIDS AGREEMENT IN MAINLAND CHINA AND HONG KONG

DOWNERS GROVE, Ill, April 7, 2022 /PRNewswire/ -- Univar Solutions China Limited, a subsidiary of Univar Solutions Inc. (NYSE: UNVR) ("Univar Solutions" or "the Company"), a global chemical and ingredient distributor and provider of value-added services, announced today an extension of its relationship with Dow in connection with UCON PAG-based synthetic products in China.

- Builds on the long-term relationship in North America, Latin America and Europe, creating a truly global partnership.
- Strengthens Univar Solutions' portfolio in China with the addition of Dow's UCON PAG-based synthetic base fluids and underscores Univar Solutions' efforts to organically grow with its key partners in Asia Pacific.
- Demonstrates Univar Solutions' work to grow and expand its global footprint in the lubricants and metalworking fluids industry.
- PAG-based fluids and lubricants offer a high level of flexibility not possible with natural and mineral-based oils and lubricants. UCON products can also help reduce wear and extend the service life of industrial, mobile, marine and other equipment, further enhancing their environmental friendliness.

**"Our strategic relationship with Dow allows us to provide customers with access to a robust portfolio of industrial product components. As the largest distributor of Dow's Lubricants & Metalworking Fluids ingredients, we're thrilled that our relationship has expanded into mainland China and Hong Kong, enabling us to offer these chemistries across the globe," said Federico Mon-**



**taner, global vice president, Lubricants & Metalworking Fluids for Univar Solutions. "Working side by side as valued and trusted partners, we're committed to staying ahead of market trends and regulatory shifts to support the multifaceted needs of customers in the lubricants and metalworking markets."**

Univar Solutions has worked alongside Dow for more than 30 years, helping to provide customers with innovative products, formulation know-how, supply chain services, sustainable solutions and expertise for Lubricants & Metalworking Fluids to help accelerate the time to market. By leveraging global industry expertise with local technical, sales and marketing resources, Univar Solutions is a valued and trusted partner to customers and suppliers worldwide.

"With the strength of our global network, we're continuously working to find solutions, accelerate innovation and advance product development for customers in mainland China and Hong Kong," said Myron Li, general manager, China and Southeast Asia for Univar Solutions. "Through our global team of technical, sales, marketing and application development experts, we're able to holistically serve customers whenever and wherever needed in a range of important industries."

Source : PRNewswire





## BASF DOUBLES ITS PRODUCTION CAPACITY FOR SOFTEX® AT ITS CIMANGGIS SITE, INDONESIA

- Investment underlines BASF's commitment to the health care industry
- Softex® is a dispersion used in the medical glove production

**H**ong Kong, China – March 16, 2022 – As part of the efforts to support the increasing demand for medical gloves globally due to COVID-19 pandemic, BASF is planning to double its Softex® production capacity at its Cimanggis site in Indonesia. This expansion reiterates BASF's continued commitment to Asia Pacific and specifically to customers in the medical glove industry that are playing a very pivotal role during the COVID-19 pandemic.

Softex dispersion is a critical material used in medical exam glove production, and it is being recognized throughout the APAC region for helping glove producers to deliver high quality gloves.

"Since its establishment in 1979, the Cimanggis site is an important production facility for the region. BASF has also upgraded its facilities to enable the supply of high-quality materials used in the production for medical gloves. The COVID-19 pandemic has driven a high demand for medical gloves globally, from 340 billion pieces in 2019 to 500 billion pieces in 2021<sup>1</sup>. And BASF remains committed to support customers and societal needs, especially during this period," said Dr. Laszlo Szarvas, Vice President, Business Management Home Care, I&I and Industrial Formu-

lators, Care Chemicals, BASF Asia Pacific.

**"ASEAN is an important medical glove manufacturing hub with global reach. In close collaboration with our customers, BASF has expanded new technical pathways in major fast-growing medical glove manufacturing markets, located in ASEAN and China. BASF's decision to expand Softex® production capacity demonstrates that we are committed to ensuring supply reliability," said Dr. Laszlo Szarvas.**

Source : BASF

## COVESTRO AND PHARMAJET WORK TO TAKE THE STING OUT OF VACCINATIONS

**P**ITTSBURGH, April 6, 2022 / PRNewswire/ -- Covestro, a leading polymer company, is proud to announce its collaboration with PharmaJet, a leading biotech company in needle-free injection technology. PharmaJet's Needle-free Injection Systems (NFIS) provide a more effective way of administering drugs and biologics, and are preferred by patients, caregivers and healthcare workers. NFIS are used as the method of delivery in 20+ COVID vaccine development programs and the world's first plasmid-based DNA vaccine which recently received Emergency

Use Authorization for COVID in India.

The PharmaJet systems require a polycarbonate material to meet the specifications of the syringe and vial adapter while standing up to gamma radiation and ethylene oxide sterilization. Covestro was able to support PharmaJet's material needs, despite supply chain issues that affected many medical suppliers.

Covestro has more than 50 years of experience manufacturing polycarbonate for the medical device industry. This product and collaboration demonstrates the company's leadership and breadth of portfolio in this market. Covestro's range of biocompatible, medical grade products are used across a wide range of applications from IV access components to surgical instruments to drug delivery solutions.



"We needed a polycarbonate resin that was suitable for our biotech applications and came from a vendor we could rely on," said Chris Cappello, President and CEO, at PharmaJet. "Covestro has provided great support to PharmaJet in the fight against COVID-19, allowing the collaboration to achieve better immunological results than needle and syringe delivery."

**"Covestro is honored to provide a reliable supply of Makrolon® polycarbonate that meets the demand of needle-free injection, ultimately leading to a better**



**patient experience, and reduced waste," said Mark Nichols, Healthcare Key Account Manager, Covestro.**

To learn more about how your company can use Covestro's material expertise to enhance your medical device manufacturing, please visit our Solution Center.

Source : PRNewswire

## **AVET PHARMACEUTICALS ANNOUNCES APPROVAL AND LAUNCH OF PROPOFOL INJECTABLE EMULSION, USP**

**E**AST BRUNSWICK, N.J., April 7, 2022 /PRNewswire/ -- Avet Pharmaceuticals Inc. announced today the U.S. launch of its Propofol Injectable Emulsion, USP 10 mg/mL, in 20, 50 and 100 ml Single Patient-Use Vials, an AB rated generic equivalent of DIPRIVAN® (propofol) Injectable Emulsion USP, following its abbreviated new drug application approval from the Food and Drug Administration (FDA). The Company will commence distribution immediately.

**"The approval of Avet's generic propofol injectable emulsion is welcome news to our team, who are prepared to deliver with urgency this much-needed therapy to hospitals and surgical centers, where**

**the product has been in short supply," said Marvin Samson, Chairman of Avet Pharmaceuticals. "At Avet, we are committed to delivering high quality generic medicines that help patients and practitioners achieve affordable health-care solutions. Today's approval announcement is our most recent example of fulfilling that commitment and will serve as an important growth driver for our Company."**

Source : PRNewswire

## **CLAYTON PHARMACEUTICALS AND VISTAPHARM (A VERTICE COMPANY) RECEIVE FDA APPROVAL FOR SUCRALFATE ORAL SUSPENSION**

**E**XTON, Pa. , April 7, 2022 /PRNewswire/ -- Clayton Pharmaceuticals, a thought leader and pioneer in developing innovative pathways to establish bioequivalence for complex generic drug products, announces that they have received FDA approval for Sucralfate Oral Suspension with Competitive Generic Therapy (CGT) designation.

The approval of this product, through the initial development of twelve different bioassays that tracked the product's

postulated clinical interactions using in vitro biology, marks a paradigm shift in how complex generic drug products can be commercialized without the need for expensive, long-drawn, and sometimes non-viable clinical studies. The product was developed in collaboration with VistaPharm and Neuheit Pharma Technologies, with testing and analytics support by Absorption Systems and CellPort Software, respectively.

**Dr. Sid Bhoopathy, the President and CEO of Clayton Pharmaceuticals, commented "This ANDA approval using well designed, scientifically sound in vitro bioassays endorses the use of novel approaches to demonstrate product bioequivalence. It is a proud moment for Clayton and our partners, VistaPharm and Neuheit. We are buoyed by the approval of this product and ready to solve the bioequivalence challenges for the next set of complex products."**

Scott Meyers, CEO of Vertice, shared "I am proud that the strong collaboration between our companies has resulted in an FDA approval for Sucralfate Oral Suspension. Congratulations also for the outstanding operational execution that resulted in us quickly receiving CGT designation for this product following FDA approval."

According to IQVIA®, U.S. annual sales for Sucralfate Oral Suspension for the 12 months ended December 2021 were \$188.5 million, of which \$157.9 million represents generic sales.

Source : PRNewswire



## INHANCE TECHNOLOGIES ANNOUNCES ITS ENKASE® TECHNOLOGY DOES NOT IMPART LCPFACS TO HDPE PACKAGING

HOUSTON, Texas, March 21, 2022 /PRNewswire/ -- Inhance Technologies is pleased to announce that its Enkase barrier technology does not impart long-chain perfluoroalkyl carboxylate (LCPFAC) chemical substances to high-density polyethylene (HDPE) packaging. The absence of LCPFAC chemical substances has been verified by independent and certified testing laboratories which reported LCPFACs as not detectable using both U.S. EPA and CEN, the European Committee for Standardization, testing methods\*. Inhance Technologies, a leading global provider of sustainable specialty chemicals and materials technologies, remains dedicated to continuously developing and implementing innovative technologies that preserve and protect the environment.

As always, Enkase imparts a permanent barrier to HDPE packaging regardless of its shape, size or design. The technology protects the environment and product integrity by reducing ingredient loss, increasing shelf life and quality, while fully maintaining the recyclability of plastic packaging in existing recycle streams. Enkase fully recyclable barrier technology is critical for environmental protection, preventing more than 25,000 metric tons of annual chemical release to the environment that would otherwise occur due to packaging permeation. Further, Inhance Technologies

treats polyethylene articles consistent with the requirements of the FDA found in 21 CFR § 177.1615(a).

**Inhance Technologies has never used any poly- or per-fluoroalkyl substances (PFAS) in any of its processes and is proud that Enkase barrier packaging is both fully recyclable and the most sustainable barrier packaging solution available when compared to multilayer or coextruded plastic, glass, and metal containers, as confirmed by lifecycle assessments through third-party resources.**

Source : PRNewswire

## EARTHSafe INTRODUCES A NEW GENERATION OF SAFE, SUSTAINABLE INDUSTRIAL CLEANING SOLUTIONS

BRAINTREE, Mass., March 31, 2022 /PRNewswire/ -- EarthSafe® is known for providing safer alternatives to hazardous chemicals that are as eco-friendly as they are powerful. EarthSafe originated in the marine sector, working with the United States Navy to neutralize norovirus on ships and submarines without harsh disinfectants. The company then devoted its attention to increasing levels

of safety and sustainability in the infection prevention space. Today, EarthSafe introduced a new generation of cleaning solutions designed to provide industrial and commercial facilities with equally high levels of safety and sustainability.

Steve Wilson, EarthSafe CEO said, "EarthSafe's mission is to make the world a safer place through innovative technologies and healthier chemical alternatives. With the launch of a new line of safer industrial cleaning solutions, we're one step closer to fully achieving our vision."

EarthSafe offers an array of products to address many cleaning challenges within commercial verticals, manufacturing, construction, military, government, healthcare and disaster response.

**FlashDry is EarthSafe's flagship solution for safer spill cleanups. It is an all-natural industrial absorbent made from coir, an organic coconut fiber with six times the absorbing power of clay-based products but, at half the cost. FlashDry is a more sustainable way to clean up oil and chemical spills without the health risks common among other types of absorbents.**

EarthSafe's industrial cleaning collection also includes XMold Pro for water damage and sick building syndrome. It inhibits the growth of harmful molds and protects surfaces yet, is harmless to people and the environment. Moreover, XMold Pro is the only protectant with smart polymer technology and is coupled with antimicrobials to create a long-lasting barrier against microbes and bacteria. XMold Pro can be applied with any traditional method or with the famed Protexus® electrostatic sprayers from the EvaClean® disinfection system, which raises efficiency 10-fold while using less product to coat triple the area. EvaClean's PurTabs® Sanitizer and Dis-





infecant is another example of sister company synergy. It is a safer chemistry with an EPA registered mold kill claim and, when followed by EarthSafe's XMold Pro Inhibitor and Protectant, provides a total solution.

"Health and safety are the foundation for everything EarthSafe does," Wilson said. "We were one of the first companies to advocate for the use of safer chemicals in environmental hygiene. Now we are doing the same in industrial hygiene."

The EarthSafe team is already planning to expand its line with additional industrial-strength products that solve real-world issues in a healthier, more sustainable way.

Source : PRNewsire

## REUSABLE TO-GO MUGS MADE OF ULTRASON® FOR A SUSTAINABLE LIFESTYLE

- Polyphenylsulfone Ultrason® P 3010 offers durability, high-temperature resistance and design versatility for multiple cycle usage
- To-go mugs by Yiwu Midi Technology contribute to less packaging waste and thus support circular economy

**B**ottle manufacturer Yiwu Midi Technology, Zhejiang has selected Ultrason® P 3010 from BASF to produce reusable to-go mugs for the market launch of its new business segment. Because of its durability, high-temperature resistance and design versatility the BASF polyphenylsulfone (PPSU) offers a unique combination of lifestyle attributes and sustainability for high-quality to-go cups that are lightweight, shatter-proof and fashionable: Ultrason® P 3010 main-

tains the flavor of e.g. coffee without any impact on taste or odor. It does not show any discoloration by contact with hot or cold liquids like coffee, juices, soft drinks or tea.

At the same time, the BASF thermoplastic polymer contributes to less packaging waste as the mugs can be reused many times and thus support a circular economy: The chemically resistant Ultrason® P 3010 easily withstands cleaning agents as well as the high temperatures in dishwashers and is even sterilization-proof without losing its excellent mechanical properties or visual appearance. Thus, reusable to-go mugs made of Ultrason® can be part of a reuse and multiple-cycle system that saves valuable resources and avoids packaging waste as targeted in the Single-use Plastics EU Directive 2019/904.

### More design freedom and contribution to a sustainable way of life

Ultrason® P 3010 is a medium-viscosity injection-molding and extrusion grade with temperature-independent properties spanning a wide temperature range from -30 to +180°C. It is food contact compliant in the US, the EU and China. "Many to-go mugs on the market are either made of single-use materials, are not resistant to hot liquids or are made of easily breakable glass, or of steel which lacks design freedom", says Georg Graessel from Global Business Development Ultrason® at BASF. "Our PPSU with superior toughness and chemical resistance is a high-performance and sustainable alternative to such materials. It gives our customers more freedom in design and provides consumers with long-term usage so that people can enjoy their daily cup of take-out coffee with pleasure and a quiet conscience."

The slightly honey-colored tint of Ultrason® and its good processability allow the mugs to stand apart from those available in the market today. The mugs by Yiwu Midi Technology have two air vents, an additional straw opening and a hand grip ring made of silicone, mak-

ing them practical in use and elegant in appearance at the same time. Ultrason® P 3010 can be easily manufactured in combination with other materials like silicone.

"The take-out coffee culture in China is increasing but especially younger people are more and more aware of the influence of their lifestyle on the environment", says Xiong Han, General Manager at Yiwu Midi Technology. "When we decided to expand our bottle business to the manufacturing of to-go mugs, our search for a partner was easy: We have been working with BASF for a long time and know that Ultrason® is an excellent material for baby bottles. It offers us the perfect combination of performance, safety and design. And because of its long-term resistance and multifunctionality, we were able to develop reusable to-go mugs that can contribute to a more sustainable way of life with less packaging waste." BASF supported Yiwu Midi Technology along the whole process from product development to manufacturing via injection stretch blow molding.

***Ultrason® is the trade name for BASF's product range of polyether-sulfone (Ultrason® E), polysulfone (Ultrason® S) and polyphenylsulfone (Ultrason® P). The high-performance thermoplastic is used to manufacture water filtration membranes, stylish, durable and safe household and catering applications as well as lightweight components for the automotive and aerospace industries. Ultrason® brands can substitute thermosets, metals and ceramics in many applications because of their extraordinary property profile.***

Source : BASF





## TORAY LAUNCHING TBW-HR SERIES OF ULTRALOW-PRESSURE REVERSE OSMOSIS MEMBRANE ELEMENTS THAT ENHANCE NEUTRAL MOLECULE REJECTION

undertaking additional electrodeionization and other processes for water treated with RO membrane elements. Boosting purity necessitates removing silica and boron, which are electrically neutral and have small particles, as well as organic matter with low molecular weights. It is hard to achieve this with electrodeionization.

For its new series, Toray accordingly developed an RO membrane element with double the neutral molecular component rejection capacity of the company's conventional offerings. It achieved this by maintaining low operating pressures and high solute rejection by precisely controlling RO membrane micropore sizes and enhancing the membrane fold structure.



**As well as contributing to electronic component miniaturization in semiconductor production processes, the TBW-HR series should also help reduce manufacturing costs. This is because higher purity water from using the series should cut the number of water treatment stages using RO membrane elements and simplify electrodeionization and other subsequent**

**steps through improved membrane performance. Improved membrane chemical resistance offers potential with wastewater reuse applications entailing frequent cleaning with these substances.**

The diverse applications of RO membrane elements in water treatment membrane products including seawater desalination to make drinking water, industrial water production, and wastewater reuse. As well as providing RO membrane elements, Toray offers an array of water treatment membranes and technical services. Noteworthy examples are ultrafiltration membrane modules for water purification and membrane bioreactor modules for wastewater treatment. The company will continue to develop and commercialize advanced materials that contribute to sustainable economic progress.

Source : Toray

Impurity rejection with the TBW-HR series exceeds that of existing ultralow pressure RO membrane elements. A key prospective benefit is purification of higher-quality and higher-purity water. The resulting ultrapure water would enable the production of semiconductors with finer wires.

Internal and external evaluations verified the outstanding performance of the new series, which Toray looks to target initially at water engineering firms providing ultrapure water production equipment. Toray also plans to broaden applications to include wastewater reuse.

Demand for even purer water has risen in the electronics industry in recent years in view of finer wiring production. This is particularly important in manufacturing increasingly compact and complex semiconductors. Ultrapure water production conventionally entails

## NEW CIRCULAR COSMETIC PACKAGING FOR L'OCCITANE

**L**yondellBasell, Plastic Energy, Albéa Tubes and international cosmetic brand L'OCCITANE en Provence introduce new circular cosmetic packaging

Rotterdam – March 16, 2022 – LyondellBasell (NYSE: LYB), Albéa Tubes and L'OCCITANE en Provence have recently launched groundbreaking cosmetic tubes and caps for L'OCCITANE en Provence's "almond" range, supporting the circular economy. The packaging is made by Albéa Tubes with Circulen-Revive polymers from LyondellBasell.



The protection of biodiversity and the reduction of waste are at the heart of the international beauty brand L'Occitane en Provence. Therefore, when re-designing two tubes of its “almond” product range, L'Occitane was seeking a resource-friendly solution and teamed up with cosmetic tubes specialist Albéa and polymer supplier LyondellBasell.

### LyondellBasell and Plastic Energy

“We are excited to work with Albéa Tubes and L'Occitane en Provence on this project and to contribute to circular cosmetic packaging solutions”, says Richard Roudeix, LyondellBasell Senior Vice President of Olefins and Polyolefins for Europe, Middle East, Africa and India.

“Our CirculenRevive products, which are part of our Circulen product range of sustainable solutions, are polymers based on advanced (chemical) recycling technology from our supplier Plastic Energy who converts end-of-life plastic waste streams into pyrolysis oil feedstock.”

Plastic Energy is at the forefront of the use and development of advanced recycling technology. Plastic Energy's recycled oils, branded under the name TACOIL were the source material for LyondellBasell, which was then allocated to the product for tubes and caps using a mass balance approach.

A lifecycle analysis\* conducted by independent sustainability consultants concluded that plastics made from Plastic Energy's TACOIL have a lower climate change impact than virgin plastic.

“Advanced recycling can effectively process contaminated or multi-layered plastics and films that pose challenges for mechanical recycling, making it a complementary solution to help address global plastic waste,” said Carlos Monreal, Founder and CEO of Plastic Energy. “Our advanced recycling pro-

cess transforms these difficult to recycle plastics into TACOIL, a virgin quality feedstock meeting standards for use in food-grade, medical-grade and cosmetic packaging.”



### Albéa Tubes

Packaging specialist Albéa manufactured the actual cosmetic tubes and caps for L'Occitane en Provence. As an early signatory to the Ellen McArthur Foundation's Global Commitment, Albéa has pledged to make all its tubes recyclable by 2025, and increase the use of post-consumer recycled resins.

“The Almond Shower Scrub is the holy grail in terms of responsible packaging today. The tube and cap are designed for full recyclability and made of 93% recycled polyethylene (PE) content. On top, both are made of PE for higher-quality recycling, confirmed as recycling-ready by recycler

associations in both Europe and the US. This packaging is in effect closing the loop, and that's quite a breakthrough!” adds Gilles Swyngedauw, VP of Sustainability and Innovation with Albéa Tubes.

### L'Occitane en Provence

Regarding L'Occitane, the company believes consumption must evolve into regeneration. As an international beau-

ty company, they have committed to ‘cultivating change’ at every level, starting with the design and production of their packaging. As part of these efforts, in 2019 L'Occitane signed up to the Ellen MacArthur Foundation Global Commitment for a new economy for plastic.

**“We are accelerating our circular economy journey and are engaged to reach an overall 40% recycled content in all our plastic packaging by 2025. The use of advanced recycling technology in our plastic tubes is an exciting step forward. Collaborating with LyondellBasell and Albéa was key for success. The new tubes strictly follow ISCC Plus guidelines with a mass balance approach in order to satisfy our two clients: Customer and Nature,” says David Bayard, R&D Packaging Director, L'Occitane en Provence.**

Source : LyondellBasell



### UNIVAR SOLUTIONS ENHANCES GLOBAL DISTRIBUTION PARTNERSHIP WITH DOW

**D**OWNERS GROVE, Ill., March 21, 2022 /PRNewswire/ -- Univar Solutions Inc. (NYSE: UNVR) ("Univar Solutions" or "the Company"), a global chemical and ingredient distributor and provider of value-added services, announced today an agreement to distribute Dow Organics' portfolio in Brazil. The new agreement covers brands such as CELLOSIZ<sup>™</sup>, FOAMYSENSE<sup>™</sup>, ECOSENSE<sup>™</sup>, ACULYN<sup>™</sup>, VERSENE<sup>™</sup> and more, which are used in the beauty and personal care market.

"Our enhanced partnership with Dow represents a major step for our Beauty & Personal Care business in Brazil, as it increases the depth and breadth of our portfolio significantly with more sustainable and biodegradable raw materials," said Jorge Buckup, president, Latin America for Univar Solutions. "We are excited to expand our relationship with Dow even further, beyond the market-leading silicone solutions, and provide the Dow Organics' portfolio that our customers are seeking for more sustainable and innovative formulations."

By distributing the Dow Organics product lines in Brazil, Univar Solutions formulation and application experts located throughout a global network of Solution Centers can help customers with application and product development, quality testing, performance benchmarking, rapid prototyping and more. Partnering with suppliers like Dow allows the Company to provide hair care, sun care, skin care and cleansing market customers with more sus-

tainable, unique, inspiring, and authentic beauty and personal care ingredient solutions and formulations based on the latest market trends, functional needs and industry regulatory requirements.

"We're pleased to announce this expanded partnership with Dow that will help us provide more sustainable ingredients to the beauty and personal care market in Brazil," said Kelly Gilroy, vice president of sustainable & natural products for Univar Solutions. "As we look to further develop and commercialize a full range of sustainable and natural ingredients across the entire Univar Solutions portfolio, I'm thrilled to build upon our longstanding global partnership with Dow. The industries we serve are increasingly looking to responsible distributors like Univar Solutions to deliver materials that can support their sustainability journey. This is a stellar example of two world-class companies--which have a passion and commitment to protecting and preserving the environment, working together to provide more sustainable and innovative ingredient solutions and product offerings to customers on a global scale," added Gilroy.

The Dow Organics' portfolio for beauty and personal care products includes 13 brands connected with the growing social conscience calling for products that impart minimal environmental impact, without compromising performance. These products range from multifunctional polymers and cellulose derivatives to chelating agents, used to impart eco-friendly textures in shampoos, conditioners, body washes, hair colorants, creams, lotions, skin cleansers and more.

"Through our relationship with Univar Solutions, customers have access to the specialty ingredients and formulation expertise needed to innovate and grow their business. With Univar Solutions'

technical knowledge and distribution capabilities, we're well-positioned in Brazil to support product innovation in the beauty and personal care sector. As trends come and go and consumers become more demanding, innovative technologies are needed and we're confident we found the right partner to help customers navigate these challenges," added Flávia Venturoli, Dow's Latin America commercial director for Consumer Solutions.

**Univar Solutions creates value by bringing ingredients to life through pioneering concept formulas, technical expertise and industry-leading distribution reach. Whether operating on a global or regional level, Univar Solutions has the capability to consistently provide customers with the latest comprehensive technical, regulatory, market trend and sourcing support in Beauty & Personal Care markets such as color and makeup, hair care, skin care and cleansing.**

Source : PRNewswire

**BASF AND REEF  
TECHNOLOGY  
SIGN STRATEGIC  
COOPERATION  
AGREEMENT TO**





## IMPROVE THE QUALITY OF PLASTIC RECYCLATE MATERIALS

- **BASF to supply its new IrgaCycle™ additive solutions to REEF Technology**
- **Builds on extensive know-how in the plastics industry**

Ludwigshafen, Germany – March 21, 2022 – BASF has signed a strategic cooperation agreement with Zhejiang REEF Technology Co., Ltd. to develop state-of-the-art recycle formulations for applications used in the automotive, packaging and consumer industries.

Under the agreement, BASF will provide its recently launched IrgaCycle™ additive solutions along with technical consultancy and support for recycled polymer formulations conducted at BASF's test facilities.

"Our goal is to help deliver higher quality, safer and more effective products while supporting the plastic circular economy and helping reduce the use of virgin plastic material," says Hermann Althoff, Senior Vice President, Performance Chemicals Asia Pacific. "In this way, we support our customers and partners to achieve their sustainability targets and create sustainable innovations together." "We wanted to partner with a world-class manufacturer of plastic additives like BASF to improve the quality of our recyclates," says Shirley Wu, General Manager, REEF. "With its in-depth expertise in plastic additives, BASF supports us in this core area by improving the processing and long-term stability of highly contaminated recycled plastic fractions."

IrgaCycle™ additive solutions help to increase the percentage of mechanically recycled content in several end-use applications such as packaging, automotive & mobility, and building and

construction. These solutions address specific quality issues associated with recycled resins, such as limited processability, poor long-term thermal stability and insufficient protection from outdoor weathering. The IrgaCycle range is offered as part of the VALERAS™ portfolio. In addition to enabling plastics circularity with IrgaCycle, VALERAS solutions bring significant sustainability value to plastic applications by improving durability, reducing waste, saving energy, reducing emissions, and promoting biodiversity.

**Zhejiang REEF Technology Co. Ltd. is a subsidiary of Veolia Huafei Polymer Technology (Zhejiang) Co. Ltd., a joint venture company of the French Veolia Group in China. It focuses on the R&D and production of high-end engineering plastic modified materials. REEF's core products include recycled polypropylene, high density polyethylene, ABS, and polyamide.**

Source : BASF

## COLORMAQ AND BRASKEM INNOVATE AND LAUNCH THE FIRST APPLIANCE MADE FROM POST- CONSUMER PLASTIC

Colormaq, a manufacturer of steel Appliances and kitchens, presents the new EcoMax semi-automatic washing machine, with a capacity of 6 kilos of clothes. Produced from post-consumer plastics, the launch unites innovation and sustainability, as its great differential is to use plastic items that have been properly discarded and sent for recycling, making the circular economy a reality.

"The partnership between Colormaq

and Braskem reinforces the effort to deliver quality products to the consumer, reducing possible environmental impacts. In the first year, Colormaq estimates that it will stop emitting around 200 tons of carbon dioxide with this product", comments Luiz A Wan-Dall Jr, CEO of Colormaq.

**For Renato Yoshino, director of Agro, Infrastructure and Industry at Braskem, the joint action between Braskem and Colormaq is in line with the circular economy and contributes significantly to the reuse of plastic waste that would previously be discarded. "The appliance is produced from post-consumer resin (PCR) from our I'm greenT recycled line, whose raw material is recycled plastic - which was properly discarded and went through the entire recycling process, becoming resin again. A sustainable future is only possible with the union between all links in the production chain", explains the executive.**

The new 6kg EcoMax Semi-Automatic Washer contributes to reducing the impact on the planet, as, at the end of its life cycle, the product can be recycled and returned to the beginning of the chain, further reinforcing the circular economy.

Source : Braskem





## DOW INTRODUCES NEW HIGH-PERFORMING AND SUSTAINABLE TECHNOLOGIES TO SERVE THE BEAUTY AND PERSONAL CARE MARKET AT IN-COSMETICS GLOBAL 2022

**M**IDLAND, Mich. – March 29, 2022 – Dow (NYSE: Dow) will showcase a host of innovative technologies in its expanded personal care portfolio at in-cosmetics Global 2022, taking place in Paris, France from April 5-7 (booth F80) and virtually April 11-22. The series of Dow product launches, as well as its brand-new ECollaboration Concepts Collection, will bring to life best-in-class examples of how innovative formulations help satisfy the global search for more sustainable cosmetic ingredients. “Our latest bio-based product launches are the perfect marriage between our scientific expertise and the need for sustainability solutions; they shine a light on how we continue to be trendsetters in developing innovative ingredients to support formulators creating personal care products that make a difference and delight consumers,” said Isabel Almiro do Vale, Global Strategic Market Director of Dow Personal Care. “By expanding Dow’s portfolio, we continue to prioritize solutions that don’t compromise on performance and are always backed by science, as well as deliver on our promise for more sustainable and inclusive beauty solutions.”

With deep consumer knowledge, a strong expertise in regulatory compliance, and one of the broadest portfolios in the Personal Care industry, Dow’s product launches are uniquely developed and aligned with the latest beauty trends from around the world. The ingredients being introduced today provide superior and multi-functional benefits across both hair and skin care formulations.

Four of the new product launches cover skin and hair applications and are part of Dow’s new ECollaboration Concepts Collection, which focuses on the three key pillars of natural beauty: ecology, economic development, and eco-conscious mindset. This collection will be introduced at this year’s show to highlight Dow’s new bio-based innovative ingredients and eight pioneering formulations, developed to inspire brands and help them serve consumers in line with industry trends. The ECollaboration Concepts Collection aims to empower customers around the world to create personal care solutions with outstanding performance that achieve a minimum natural origin content of 90% and are both inclusive and safe for people and the planet.

### The six new featured trade products include:

**MaizeCare™ Clarity Polymer:** This unique corn-based ingredient enables the formulation of crystal-clear hair styling formulations while offering versatility from low to high hair fixation, consistent curl retention, and new and desirable compatibility with carbomer. In addition, it is bio-based and biodegradable with film-forming properties that provide a non-tacky feel at touch when styling. Céline Lévénz-Bougaran, Senior Technical Service and Development Specialist at Dow, will be presenting on April 5th at 10:15 a.m. in

the Sustainability Corner on the newest hair care launch, MaizeCare™ Clarity Polymer.

**DOWSIL™ 979 Emulsion:** Developed with a sustainable focus, low cyclics content, and lower ecotoxicity than many of the emulsions containing quaternary-based surfactants, this product delivers the high-performance benefits of an amino silicone emulsion, like reduced friction, enhanced dry or wet combing and restored hydrophobicity, as well as color protection and reduced hair breakage. Its versatility allows it to be used in conditioners, leave-in, and shampoo formats, meaning one single product with multiple benefits for a complete hair care routine. DOWSIL™ 979 Emulsion has been nominated in the Innovation Zone Functional Ingredient Award category.

**EcoSmooth™ Rice Husk Cosmetic Powder:** Upcycled from non-GMO natural sources, this white silica powder delivers a unique sensorial experience and optical benefits like blurring imperfections and mattifying the skin due to its higher sebum absorption compared to other cosmetic powders. A must add to many common skin care, color cosmetics, and hair care formulation types used today, and particularly relevant for natural-oriented positioning.

**EcoSense™ SL-60 HL Surfactant and EcoSense™ SL-60 HA Surfactant:** These two new sophorolipids are bio-surfactants that enable the creation of highly desirable mild cleansing products. Shampoo, face wash, body wash, and leave-on products like body lotion can feel even more comfortable on the skin and scalp. In formulation, these sophorolipids can also provide stability due to their emulsification properties. As bio-derived and readily biodegradable materials, EcoSense™ SL-60 HA Surfactant and EcoSense™ SL-60 HL Surfactant are



an excellent fit to minimize environmental impact without compromise on performance.

**EcoSmooth™ Universal Fluid 1100:** This is a novel cosmetic carrier fluid containing 100% renewable carbon-sourced as by-products from wood and sugarcane production. Its unique polarity results in a broad compatibility profile, thus permitting novel natural-based formulations focused on delivering fragrances, cosmetic actives, and sunscreens. In addition to being sourced from sustainable feedstocks, EcoSmooth™ Universal Fluid 1100 is biodegradable and has a good safety profile, making it the ideal carrier for the formulation of very high naturally index leave-on skin products including facial care, body care, and color cosmetics.

**“With consumers increasingly expecting companies to offer safer and sustainable cosmetics formulations, we continue to prioritize the next generation of formulations that deliver top-level performance, while achieving at least 90% of the natural origin content in each prototype,” said Sandro Sato, Dow Global Segment Leader Sensory. “At in-cosmetics Global, customers will see firsthand how we’ve fostered the need for sustainability, inclusion, and performance in the Personal Care industry with our expanded portfolio through our immersive booth experience.”**

Dow regulatory experts and scientists will be available at in-cosmetics Global 2022 to discuss how to leverage brand opportunities in formulating new products in a complex regulatory and certification-driven environment. Dow can support formulators through collaboration and applying its strong market knowledge to foster a more sustainable future together while staying ahead of industry trends. To learn more about Dow’s innovations, visit the Innovation Zone and Sustainability Corner, and

meet with Dow experts at booth F80 or during the virtual event.

Source : Dow

## AIRNOV TO EXHIBIT SUSTAINABLE SOLUTIONS AT UPCOMING PHARMAPACK TRADE SHOW IN PARIS

- New 2g and 3g lines of laser-marked canisters to be launched in Q3 this year
- Sustainable advances also made with Light 27mm desiccant stopper and DRICARD™ product lines
- Pharmapack to be held on May 18-19

April 7, 2022 – Airnov Healthcare Packaging, a global leader in controlled atmosphere packaging, will be showcasing a series of new sustainable solutions at the upcoming Pharmapack trade show in Paris.

Sustainability is engrained into Airnov’s DNA, with all activities and product launches geared towards our EcoVadis-aligned sustainability program.

Held on May 18-19, Pharmapack is a key event in Airnov’s European diary, with attendees from across the industry meeting to catch up with their current contacts, meet new potential partners, source the latest innovations, and learn about the newest trends and opportunities in the packaging sector.

For example, in Q3 this year, Airnov will be launching 2g and 3g sizes of its popular laser-marked canister to round-out the product line. These canisters, which require fewer raw materials to make, use laser technology to create visible marks

on the canister body without the use of inks, varnishes, adhesives, and other extraneous materials for a more sustainable product with less risk of contamination.

Nicolas Martinez, Global Product Manager at Airnov, said: “We are excited to offer a full range of sizes across our laser-marked product line. This will provide customers the opportunity to boost their sustainability credentials, as these solutions cut down on inks, materials and waste.”

Airnov will also be showcasing its new Light 27mm desiccant stopper at Pharmapack. Fitted with tamper evidence security and easy-open features, this solution uses fewer raw materials and is made with a new sustainable polymer, helping customers to reduce their carbon footprints.

Meanwhile, another sustainable innovation has been launched in the company’s DRICARD™ range. The new product provides twice the capacity in the same size card. It uses less plastic and is printed with high-contrast blue ink on a white background. It requires 80% less ink to produce than the current orange DRICARD.

**Stéphane Rault, Global Product Manager at Airnov, added: “All of these sustainable products enhancements are helping us to improve our EcoVadis sustainability assessment, which has become a vital metric for us in terms of planning our sustainable priorities. We look forward to speaking with visitors at Pharmapack about these products and our other sustainability initiatives that are shaping our future.”**

All Airnov products come with complete compliance certificates of the FDA, EU and Chinese NMPA, and are backed up with industry-leading and rapid response customer service.

Source : Chemical Market



Continued from Page 26

**es have been getting more important as food and consumable products are shifting to a broader variety of goods in smaller quantities. Toray and Chemosvit believe waterless EB offset printing is the most environmentally sustainable solution. This technology is working without solvents. According to Toray's esti-**

**mation, its CO2 emissions are more than 80% below those from gravure printing. On top of it, it enables a 100% VOC-free process. Furthermore, as offset plates are made of aluminum, they can be recycled. In the end, the total energy consumption is much less than in other printing technologies. Chemosvit believes waterless EB off-**

**set printing will provide insight into optimizing the film properties to achieve the best printing results. Through this cooperation both companies are working on fine-tuning the new printing technology.**

For printing, a water-washable ink for which Toray has developed novel material will be used. Major ink manufacturers are currently working on its development and commercialization.

Source : Toray

## Sumitomo Chemical Develops a New Polyethylene Product, Sumicle®

Sumitomo Chemical has developed Sumicle®, a high-rigidity polyethylene (PE) for plastic packages and containers. Applying Sumicle® to the base layer of plastic packages and containers makes possible single material packages and containers made of PE, contributing to the realization of horizontal recycling\*1—recycling of used plastics back to resin that can be used in similar applications. The Company has already started providing samples of Sumicle®, aiming for commercialization early in FY2022.

Plastic packages and containers for food and daily necessities are composed of several layers, each of which is made of a different type of resin with a different characteristic, depending on the application. For example, a polyolefin, such as PE, which is suitable for heat press-sealing, is used for the inner sealant layer, while a highly rigid nylon or polyethylene terephthalate (PET) having excellent self-supporting property is

used for the outer base layer. Recycling these materials of plastic packages and containers to promote plastic resource recycling, however, poses a challenge. As it is difficult to sort these different types of materials and take each out separately, recycled materials inevitably have a lower quality, and most of them are used as cascade recycled\*2 materials and ultimately are incinerated. Accordingly, it is imperative to provide more recyclable plastic packages and containers made of a single resin material, thereby enabling horizontal recycling of them and realizing a higher level of plastic resource recycling.

**Sumicle® is a PE that boasts high rigidity achieved by using a special compounding technology. Single material plastic packages and containers can be made by applying Sumicle® to their outer base layer, for which nylon or PET is traditionally used, and combining it with a PE sealant layer. This new PE prod-**

**uct thus enables horizontal material recycling of used plastic packages and containers and contributes to reducing fossil resource usage and the greenhouse gas emissions generated when waste plastics are incinerated. The Company will work to build a recycling system, including a sorting and collection system for plastic packaging and containers, and consider selling recycled plastics under its original brand of "MeguriTM."\*3**

Sumitomo Chemical will continue to work on the development of more recyclable plastic materials in order to enable recycled plastics to be used in broader applications and promote more effective and beneficial recycling of limited resources.

Source : Sumitomo Chemical



## VIEWS AND STATEMENTS



"With the latest additions to our VORASURF™ portfolio, we continue to deliver innovative technologies addressing key market trends for rigid polyurethane foams, improving energy efficiency and delivering a more sustainable solution to our customers. By combining our leading manufacturing integration and global presence, with a deep understanding of the industry, Dow silicone polyethers for spray and construction applications provide the key performance benefits our customers desire."

**- Dylan Delapa, global market segment leader for Dow polyurethane additives.**

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"We are pleased to cooperate with Eni in this important decarbonization initiative and leverage our expertise in CO2 management to concretely contribute to the reduction of industrial carbon emissions in Europe. Supporting the decarbonization of the Industry is one of the strategic pillars of Air Liquide, which is committed to addressing the urgency of climate change and reach carbon neutrality by 2050."



**- Air Liquide**

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"We're excited to bring this new source of green hydrogen to the California market and recognize the vision of decarbonizing the transportation sector. California is a global leader in the energy transition and as a global leader in hydrogen and hydrogen for mobility, Air Products is proud to contribute to solving a significant energy and environmental challenge. The Arizona project is another link in the hydrogen supply chain to ensure reliable supply of decarbonized fuel to customers. Air Products is continuing to pursue other opportunities to produce low and zero-carbon hydrogen to help meet the growing demand in world leading geographies."

**- Eric Guter, Air Products' Vice President, Hydrogen for Mobility**

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"Consumers and regulators are increasingly attentive to how products are made, and rightfully so", It is our responsibility as an industry to develop and convert to technologies that reduce our impact on the environment and on people's health. That is exactly what we at Archroma do, with innovations like Cartaseal® VWAF. Because it's our nature."



**- Andy Bell, Head of the Competence Center Chemicals at Archroma.**

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"Not every day is the same when it comes to a person's skin or hair care needs. Our BeautyCraft Booster collections let brands put the consumer in the driving seat of their personal care regimen, giving the individual hands-on control over what's important at a particular time. Simply by adding a few drops of a specific booster to a base moisturizer or cleanser that product will transform into a much-needed exfoliating scrub, a mattifying lotion, or even an anti-frizz rinse-off hair shampoo. So simple yet so effective, the possibilities for personalization are endless."

**- Tori Dunn, Applications Chemist at Clariant and the formulator behind these boosters**

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## IEWS AND STATEMENTS



“Innovation is a key enabler of the Archroma Way to a sustainable world,” With the CONSCIOUSLY DEEP system based on the new Nylosan® S navy and black colors we combine all three: safer ingredients free\*of metal and halogen, a more efficient process with less water, energy, and greenhouse gas, and enhanced value with a more desirable and durable article. That is how Archroma helps to transform our industry – because it’s our nature.”

**- Explains Mark Dohmen, Head of Competence Center Synthetics.**



“A deep understanding of individual needs is essential for effective weed and growth control based on glufosinate. And this is where ADJUWEX will offer a much-needed smart helping hand to our customers, We have merged our wide-ranging global expertise in crop protection and conducted extensive tests to determine the needs of glufosinate formulations and boost their effects in the field, under many different conditions. The result is a versatile set of adjuvant products and formulation options, backed by global technical support. It gives customers the flexibility and confidence to tailor their formulations to their own conditions and needs.”

**- Fabio Caravieri, Head of Global Marketing, BU Ind. & Consumer Specialties, Clariant.**



“We are pleased to partner with Sogestran to offer innovative solutions in the new market of large volume CO2 transportation. This initiative complements our carbon management technologies to support our industrial customers in their decarbonization strategies and illustrates Air Liquide's commitment to actively contribute to the emergence of a low carbon society.”

**- Emilie Mouren-Renouard, member of the Air Liquide Executive Committee, supervising Innovation and Development**



“Synergen DRT helps to control drift and volatility of fine droplets during application and helps improving the coverage and penetration of the actives in the leaves, boosting biological performance as well as making drone spraying more sustainable and environmentally friendly.”

**- Fabio Caravieri, Clariant’s Head of Marketing, Industrial & Consumer Specialties.**



“The only way forward is sustainability and performance. And we cannot do it alone. Our M&A activities combined with own R&D capabilities have led to enabling technology platforms that we are making available to our customers to jointly develop the sustainable beauty products of tomorrow.”

**- Yann d'Hervé, head of Evonik's Care Solutions business line.**



# Introducing Adjuwex™ Clariants Innovation Shift To Glufosinate Herbicides

- Tailor-made glufosinate adjuvants for better weed control
- High-powered toolbox called ADJUWEX for a variety of formulation options with very good performance vs current prominent sector alternatives Solutions for TANK-MIX and IN-CAN; suited to drones & other new application technologies

MUTTENZ, March 16, 2022 - Regulatory pressure, more herbicide-resistant weeds, climate change, evolving consumer needs. As challenges in tackling weed desiccation and re-growth escalate for crop farmers, Clariant offers the support of ADJUWEX, a new high-performing set of tested products to tailor-make effective glufosinate formulations for local circumstances and needs.

Glufosinate formulations have emerged among the most promising candidates in the urgent search for alternative herbicide solutions to ensure vital crop growth and ultimately global food security. However, a one-size-fits-all formulation does not exist. The most effective

composition can vary widely, based on a variety of aspects including climate, soil, the crop, and application conditions

“A deep understanding of individual needs is essential for effective weed and growth control based on glufosinate. And this is where ADJUWEX will offer a much-needed smart helping hand to our customers,” comments Fabio Caravieri, Head of Global Marketing, BU Industrial & Consumer Specialties, Clariant. “We have merged our wide-ranging



global expertise in crop protection and conducted extensive tests to determine the needs of glufosinate formulations and boost their

effects in the field, under many different conditions. The result is a versatile set of adjuvant products and formulation options, backed by global technical support. It gives customers the flexibility and confidence to tailor their formulations to their own conditions and needs.”

**To help customers choose the optimal glufosinate-based formulation for**

**their challenge and country, the toolbox supports crop protection companies on practical as well biological efficacy and yield-related considerations. It ensures both Tank-Mix and In-Can customers benefit from effective weed desiccation and prevention of re-growth by addressing priorities like drift control, rain fastness, and all-round boosting of bio-efficacy through active ingredient compatibility. The products show very good performance versus current prominent sector alternatives, proven in lab and field tests.**

ADJUWEX is unique in offering solutions suited to new application technologies including drones. Moreover the products have been extensively trialled in several crops worldwide for precision farming.

Source : Chemical Market

## Yasho Industries Bod Approves Its Greenfield Project Aiming For Inr 550 Cr Revenue Potential In Phase 1

Mumbai, March 16th, 2022: Yasho Industries Limited (BSE: 541167 | ISIN: INE616Z01012) a leading manufacturer & supplier of specialty and

fine chemicals, today announced that the Board of Directors of the Company has approved a capital expenditure of INR 350 Cr in Phase 1 for its green-

field project at Pakhajan (Dahej), Gujarat. The company intends to manufacture lubricant additives and rubber chemicals with a total capacity of 15500



MT per annum in phase 1 at this new facility. Post expansion, the total manufacturing capacity will increase from 11,000 MTPA to 26,500 MTPA with a revenue potential of INR 500 Cr to 550 Cr in Phase 1 at full capacity utilisation. The project is expected to be completed in 24 months after receiving all necessary governmental approval. The capital expenditure towards the project will be financed through a combination of internal accruals and debt.

### Commenting on the ex-

pansion, Mr. Parag Jhaveri, Managing Director & CEO, Yasho Industries Limited said, "The demand for lubricant additives and rubber chemicals is increasing globally. We foresee a reasonable demand for our products in the market on account of our ability to manufacture quality prod-

ucts and our reliability. The enhanced capacity will also allow us to approach large multinational consumers who we could not approach in the past due to limited capacity This investment will lay the foundation for the next phase of growth for the Company."

Source : Chemical Market

## Domo Produces Five Millionth Tonne of Caprolactam

- Leading producer of polyamide solutions announces milestone in caprolactam production
- Since 1942, 5M tonnes of Caprolactam have been delivered worldwide
- Full integration at Leuna site secures reliable supply of chemical intermediates, Caprolactam and Polyamide 6

Leuna, March 21, 2022 - DOMO Chemicals, a global leader in engineered material solutions and fully integrated producer of PA6, announced the successful delivery of 5 million tonnes of caprolactam at its Leuna site. The Leuna site has produced caprolactam in its facilities since 1942. This quantity is equivalent to approximately 225,000 truckloads. The German subsidiary DOMO Caproleuna has been producing caprolactam and polyamide at the site in the heart of Europe since 1994. During this period, production capacities have been gradually expanded to the current 176,000 metric tonnes per year.

Caprolactam production has an 80-year-old tradition at the Leuna site. The world's first industrial-scale caprolactam production plant went into operation in Leuna as early as 1942. Since the DOMO Group took over the capro-

lactam plants in 1994, the technology and processes have been continuously enhanced and improved. Over the past 20 years, DOMO Caproleuna has been able to reduce specific energy consumption in medium-pressure steam by 30% and respectively in low-pressure steam by 40%, thus continuously optimizing the manufacturing process. Sustainability is one of the strategic pillars for the Group. DOMO Beyond is our roadmap for innovative projects to achieve our sustainability goals in the areas of Planet Care, Responsible Employer, and Partner of Choice. DOMO is committing to neutral CO2 emissions growth by 2030, respectively from 2019, establishing a 15% reduction in the carbon content of DOMO's energy mix and a 7% reduction of industrial waste.

"Over the last 3 decades, we have continued to expand the caprolactam plant and have increased production volumes extensively. Today's focus is clearly on increasing efficiency and saving energy," says Dr. Thomas Jende, Production

### Manager for caprolactam.

The most important precursor for polyamide 6

Caprolactam is primarily required to produce polyamide 6 and is further processed in the company's own polymerization facility, which is integrated on-site, to produce the high-tech engineering plastics under the brand names DOMAMID® and TECHNYL®. DOMAMID® is primarily used as a base polymer for engineering plastics, textiles and film applications. TECHNYL® is the leading polyamide-based compound for a variety of industry segments such as automotive, electricals & electronics and industry & consumer goods.

"The success is a team effort: this excellence in operation and production is only possible because the corresponding production volumes were also achieved in the upstream and downstream process stages of the value chain", says Luc de Raedt, Site Director Leuna. DOMO employs a total of around 620 people at its Leuna site.

Source : Chemical Market



# Clariant Unveils Beautycraft Boosters For Personalizing Personal Care

- Transform beauty products in your hand simply & easily
- Skincare and Cleansing collections for the ultimate tailoring: one minute a face cleanser, the next an anti-frizz hair shampoo
- Featuring innovative, effective, and mild formulations to support beauty claims

CHARLOTTE, March 17, 2022 - Join

the personalization trend! Clariant gives beauty brands a flying start into delighting consumers with individually customizable and high-efficacy products, with its new BeautyCraft Boosters Skincare and Cleansing collections.



BeautyCraft Boosters provide inspiration and ready-to-use formulations for delivering a transformational Personal Care experience all about end-user and regimen versatility. Each collection features a base formula and multiple booster variants to enhance or change the functionality of the base, answering the recognized consumer craving for a greater sense of control.

**“Not every day is the same when it comes to a person’s skin or hair care needs.**

**Our BeautyCraft Booster collections let brands put the consumer in the driving seat of their personal care**

**regimen, giving the individual hands-on control over what’s important at a particular time. Simply by adding a few drops of a specific booster to a base moisturizer or cleanser that product will transform into a much-needed exfoliating scrub, a mattifying lotion,**

**or even an anti-frizz rinse-off hair shampoo. So simple**

**yet so effective, the possibilities for personalization are endless,” says Tori Dunn, Applications Chemist at Clariant and the formulator behind these boosters.**

Clariant’s new concept embraces a wide variety of current beauty consumer needs, from delivering a WOW factor, transformational experience to offering the assurance of mild formulations, natural origin content, compatibility with environmental labels, and all-important data-backed efficacy. Novel texture and color changes also heighten appeal as well as add the practicality of feeling or seeing the product transformation in action.

The base formulas and boosters com-

prise a variety of mild functional ingredients and actives. These range from mild sugar surfactants like GlucoTain® Sense and GlucoTain Care (excellent sensory additives), to actives like Bio-DTox®, which offer strong antioxidant protection from pollutants. Backing these formulations, Clariant has substantiated a number of claims through testing such as skin moisturization, sting test, and frizz evaluation. These results can aid brands in delivering products that are backed by credibly, proven claims.

Discover the BeautyCraft Collections in a nutshell:

- The Cleansing Collection: Transform this every-day “not your basic cleanser” into a fun marshmallow-like detoxifying wash, a gentle facial scrub, a potent anti-frizz hair shampoo, or a perfectly pH balanced gel to oil intimate cleanser.
- The Skincare Collection: Transform a daily hydrating gel serum into a skin energizing morning moisturizer, a mattifying face lotion, an illuminating primer base, or a pollution protecting face and neck milk.

To hear from the experts directly, join Clariant’s North America Personal Care team for an inspirational webinar: BeautyCraft Boosters – A Customized Personal Care Experience. The webinar will be led by our Technical team where they will walk attendees through Clariant’s newest concept that spotlights the trend of customization. Register to secure a place and take part in the discussion on March 31, 2022 at 2:00 PM ET.

Source : Chemical Market





# Archroma Launches Long-Awaited Metal-Free And Halogen-Free Nylosan® S Navy And Black Colors For Sportswear

- Iconic black and navy polyamides of major sportswear brands can finally be perfectly matched with safer dyestuffs
- Significant resource savings when dyeing with Archroma new signature CONSCIOUSLY DEEP system

P Pratteln, Switzerland, 22 March 2022

- Archroma, a global leader in specialty chemicals towards sustainable solutions, announced the addition of two new metal-free\* and halogen-free\* acid dyes in its Nylosan® S range.



Dark shades represent approximately 80% of the outdoor and sportswear textile market, which is also under pressure to offer more sustainable articles. In this context, the new Nylosan® Navy S-3R and Black S-3N, especially developed by Archroma for polyamides and blends, meet four long-standing market demands for blacks and navies.

- First, the Nylosan® S range offers metal-free\* alternatives to dyestuff generally used to dye polyamide and nylon and which usually contain metals. The new Nylosan® Navy S-3R and Black S-3N are taking the industry standard one step further by offering a halogen-free\* option to those manufacturers, brands and retailers who are looking to offer the safest grade available.
- Second, the Nylosan® S range now comprises a wide gamut of colors,

with these new dyes targeting the color matching and fastness specifications of the iconic blacks and navies of major sportswear brands. In order to support this color matching process, Archroma makes available the colorimetric dye primaries for the mills in order to (re)match the color standards.

- Third, the new navy and black dyes display the same color constancy as the dyes used in many leading color standards, which means the navy and black colors created with Nylosan® S range will

be non-metameric to the color standard under multiple light sources, whether artificial or natural, indoor or outdoor.

- And fourth, the introduction of the new Nylosan® Black S-3N makes dyeing a metal-free\* black on polyamide finally possible – something that was not available before.

Both dyes display the other usual features allowed of the Nylosan® S range, i.e., high fastness and buildup, and a wide shading gamut for industry-leading metal-free\* acid dyes. They are REACH registered and bluesign® approved.

In addition, with the new Nylosan® Navy S-3R and Black S-3N at the core of its new CONSCIOUSLY DEEP system, Archroma is offering another very welcome benefit in the production of polyamide articles: resource saving.

As most sportswear manufacturers and brands know, creating durable dark colors on nylon is a complex process that uses massive amounts of water and energy. Archroma therefore designed the new CONSCIOUSLY DEEP system to allow a highly efficient scour dyeing process reduced from 6 to 2 baths.

This results into reducing the process time by up to 36%, water consumption by up to 64%, energy by up to 46%, and CO2 emissions by up to 41% compared to conventional benchmark process.

**“Innovation is a key enabler of the Archroma Way to a sustainable world,” explains Mark Dohmen, Head of Competence Center Synthetics. With the CONSCIOUSLY DEEP system based on the new Nylosan® S navy and black colors we combine all three: safer ingredients free\* of metal and halogen, a more efficient process with less water, energy, and greenhouse gas, and enhanced value with a more desirable and durable article. That is how Archroma helps to transform our industry – because it’s our nature.”**

Source : Chemical Market



# Lanxess Environmentally Friendly Water Treatment

Water is essential to life but a scarce resource. The World Water Day reminds us how precious it is and that we need to ensure environmentally friendly water treatment.

- Water – the invisible treasure
- Resource-friendly use of water
- Efficient water management in the industry
- Removal of natural contaminants
- Tips for efficient water use

## Water - the invisible treasure

The Corona pandemic highlights the importance of clean water and hygiene. After all, hygiene is almost impossible without water. The blue gold is vital for humans and animals. But clean drinking water is not available in sufficient quantities everywhere. It must therefore be purified - as environmentally friendly as possible.

Agriculture and industry also depend on water to produce products. Water scarcity becomes an issue for everybody, not only for developing countries or desert regions. The increasing demand for the scarce resource constantly needs new and improved solutions, to ensure that clean water remains available in sufficient quantity and quality.

We need to understand that water is essential to life and needs protection. This is the challenge we must face. In line with this year's World Water Day motto: "groundwater: making the invisible visible".

With this annual theme, the United Nations wants to draw attention worldwide on March 22 to the importance of our groundwater - on the one hand as an indispensable resource and part of the water cycle, but also with regard to the pressures to which it is increasingly ex-

posed.

## Resource-friendly use of water

It all starts with the responsible use of water – for us in the private sector, but also for local authorities and industry. Industrial production without water is rarely possible. But options still remain untapped for using less water, returning it to the environment as unpolluted as possible, and thus helping to protect groundwater and surface water.

It is obvious that companies like LANXESS, which themselves develop and offer products, technologies and solutions for efficient water treatment, can do more. At the end of 2020, we therefore launched a water program that includes Group-wide targets and voluntary commitments as well as local "water stewardship program". Initially, primarily for four water risk sites in

- India,
- Italy,
- and China

## Tiny specialists for water treatment

In addition to its own production sites, LANXESS also supports the sustainable use of water as a resource by its customers. For example, we ensure reliable treatment of clean drinking water as well as customized wastewater treatment or groundwater remediation. This is where our Lewatit® ion exchange resins come into play. Ion exchange resins are small polymer beads that selectively remove pollutants from water without any harmful additives. Bettina Blotko, Head of the Liquid Purification Technologies business unit, LANXESS said, "Ion exchange resins play a role almost everywhere sustainable water management is required. We are proud of our long track record in this field."

## Efficient water management in the industry

### WATER TREATMENT IN POWER PLANTS

Water-steam circuits are at the heart of all thermal power plants that generate electricity from fossil or nuclear fuels. Here, the water and steam serve as an energy carrier and cooling medium.

Lewatit® ion exchange resins have helped to ensure efficient, safe and reliable operation of these power plants worldwide over many years. They play a key role in demineralizing the cooling and boiler feed water and in condensate polishing in the water-steam circuits. This is the only way to prevent incrustations, which ensures optimum heat transfer in the long term.

In addition, corrosion can be effectively reduced or avoided in this way. Together with the efficient regeneration of the resins, this ensures long-lasting, economical operation of the power plants.

### DRINKING WATER TREATMENT

Contamination of surface water by "Natural Organic Matter" (NOM), for example polyphenols, humic and fulvic acids, which are formed during the decomposition of plant material, can be removed with strongly basic ion exchange resins of specially adjusted porosity. These functional resins bind or adsorb the impurities. This is how drinking water is treated in the Netherlands or the United Kingdom

### GROUNDWATER TREATMENT

Pollutants can also enter groundwater in agricultural regions. Especially in Germany, nitrate from fields overfertilized with liquid manure is a current problem. But even if the slurry is thickened



and processed into solid fertilizer, the liquid residual phase containing ammonia must not be discharged untreated into surface waters.

Lewatit® ion exchange resins efficiently separate nitrate and ammonium ions and ensure that they are converted into solids that can either be landfilled or used specifically as fertilizer.

### RECOVERY OF PRECIOUS METAL

If metal ions are present in higher concentrations, for example in industrial wastewater, recovery may be worthwhile. Lewatit® ion exchange resins selectively bind certain metal ions, e.g. precious metals such as platinum or gold. Minor components can also be separated, such as zinc from copper electrolytes or cobalt from nickel or copper salt solutions. The metal ions are thereby removed from the aqueous solution

and at the same time enriched on the ion exchange resin, which considerably facilitates their further processing or, in the case of wastewater streams, purification.

### Removal of natural contaminants

Natural arsenic contamination of drinking water is the most significant natural trigger of poisoning worldwide, especially in India and Bangladesh. Water is also contaminated with arsenic in parts of Argentina and Chile or the western United States. In addition to acute and chronic illnesses, increased



tumor development can be the result. In order to comply with the limit of 10 mg/l set by the World Health Organization (WHO), millions of people rely on treatment of their drinking water. Special Bayoxide®-type iron oxide ad-

sorbers approved for drinking water applications from our Krefeld plant, have proven to be very efficient for this purpose and are used in filter systems worldwide.

### Tips for efficient water use

Privately, too, we can do a lot to use water responsibly.

Source : Chemical Market

## The World's Largest 100% Recyclable Blade Made from our Elium® Thermoplastic Resin

On 17 March 2022, the ZEBRA (Zero waste Blade ReseArch) consortium announced a new step forward in the industry's ambitious transition project towards a circular economy with the manufacture of the first 100% recyclable prototype wind turbine blade using Arkema's Elium® liquid thermoplastic resin and new high performance glass fabrics.



Launched in September 2020, the ZEBRA (Zero waste Blade ReseArch) project is led by IRT [Technological Research Institute]-Jules Verne, and brings together leading industrial players and technical centres with its ambitious project to demonstrate the technical, economic and environmental

relevance of thermoplastic wind turbine blades on a full scale, with an eco-design approach to facilitate recycling.

Following a year of material development and testing, as well as process trials, the world's largest thermoplastic blade at 62 meters, made from our Elium® liquid resin and 100% recyclable, was designed and built at the LM Wind Power plant in Ponferrada, Spain.

The Elium® liquid thermoplastic resin is perfectly suited to the manufacture of large parts by resin infusion. The composite parts made from our resin deliver

the same performances as those made from thermoset resins with an added unique benefit: recyclability.

**Elium®-based composite components can be recycled using an advanced chemical recycling method; this involves fully depolymerizing the resin, separating the fiber from the resin, and recovering a new virgin resin and high performance glass fibers ready for re-use. Developed by Arkema and CANOE, this method is tested on all composite**



## Price as on March 30, 2022

Name of Chemicals	Pack (Kgs.)	Price	Change (Rs./Kg)
<b>INORGANIC CHEMICALS</b>			
Ammonium Bicarbonate		60	
Ammonium Carbonate		55	
Ammonium Nitrate		65	
Borax (Granular)	50	48	
Borax (Powder)	50	42	
Bromine Liquid	50	265	
Calcium Carbonate(Acti- vated)	50	50	
Calcium Carbonate (Pre- cipitated)	50	30	
Carbon Disulphide	300	84	-1
Caustic Potash		78	
Caustic Soda (Flakes)	50	32	
Caustic Soda (Lye)	Tanker	22	
Hydro (China)	50	87	
Hydrogen Peroxide	50	41	
Hyflosupercel	22	66	
Lithopone (China)	25	185	
Magnesium Carbonate (Indian)	50	56	
Mercury	34.50	8700	
Nitric Acid RCF (60%)	Tanker	50	
Phosphoric Acid	50	67	
Potassium Carbonate	50	54	
Potassium Carbonate (Indian)	50	66	
Potassium Permanganate	50	160	
Soda Ash	50	30	
Soda Ash Tata		33	
Sodium Nitrite		44	
Sodium Nitrate		32	
Titanium Dioxide Anatase (TTPL)	25	190	
Titanium Dioxide Anatase (China)	25	160	
Titanium Dioxide (Rutile – R-902)	25	248	
Zinc Oxide (China)	50	93	

Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
<b>ORGANIC CHEMICALS</b>			
Acetic Acid Glacial	35	107	
Acetone (GI Drums)	160	121	
Acrylamide (Liquid)	250	230	
Acrylic Acid	200	119	
Acrylonitrile		210	
Adipic Acid	25	92	
Aniline	200	84	
Benzene (Per Litre)	200	55	
Benzoic Acid	200	86	
Benzoyl Chloride	200	125	
Benzyl Alcohol (FFC)	200	145	
Benzyl Chloride	200	165	
Bisphenol-A (Russian)	25	118	
n-Butanol (Barrels)	170	160	
Butyl Acetate		190	
Butyl Acrylate	180	75	
Butyl Carbitol	190	87	
Butyl Cellosolve		170	
Butyl Stearate	190	105	
C9 Solvent		59	
C10 Solvent		63	
Cellosolve	195	105	
Chloroform		22	
Citric Acid		47	
m-Cresol	190	270	
o-Cresol	200	300	
p-Cresol	200	325	
Mixed-Cresol		85	
Cyclohexane		76	
Cyclohexanone	190	121	
Diacetone		99	
Dibutyl Maleate (DBM)		203	-2
Dibutyl Phthalate (DBP)		176	-6
Dicyandiamide (DCDA)	25	300	
Diethanolamine (DEA)		110	
Diethylene Glycol (DEG)	230	72.50	
Diethyl Phthalate (DEP)	200	95	





Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
Diisobutyl phthalate (DIBP)		134	-9
Dimethyl formamide (DMF)		210	
Dioctyl Adipate (DOA)	200	193	-2
Dioctyl Maleate (DOM)		200	
Dioctyl Phthalate (DOP)	200	164	-4
2-EHA(2 Ethyl Hexyl Acrylate)	180	138	
Ethyl Acetate (Resale)	185	111	
Ethyl Acrylate (Intact)	180	121	
Ethylene Dichloride (EDC)	200	57	
Ethylene Glycol (MEG)	230	68.50	
Formaldehyde (Resale)	230	11	
Formic Acid	25	92	
Glycerine (IP)	250	53	
Glyoxal (Imp.)		101	
Glyoxal (Indian)		105	
Hexamine	50	78	
n-Hexane (Per Litre)	200	64	
Hexylene glycol		145	
Isobutyl Alcohol	170	125	
Isopropyl Alcohol (IPA)	170	124	-5
Maleic Anhydride (MAN)	25	86	
Melamine	25	103	
Methanol (Per Litre) (Resale)	200 Lit.	32.50	
Methyl Ethyl Ketone (MEK)	190	110	
Methyl Isobutyl Ketone (MIBK)		150	
Methylene Dichloride (MDC)	350	51	
Monoethanolamine (MEA)	180	100	
Octanol (2-Ethylhexanol)	170	165	
Octoic Acid		100	
Oxalic Acid (Punjab)	50	114	
Phenol (GI Drums)	215	115	
Phthalic Anhydride (PAN)	25	77	
Polyethylene Glycol (PEG 200)	230	93	
Polyethylene Glycol (PEG 400)	230	94	

Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
Polyvinyl Alcohol (Gohsenol GH-17)	20	190	
Propyl Acetate		109	
Propylene Glycol (Imp.)	210	325	
Purified Terephthalic Acid (PTA)		70	
Sodium Alginate (China)	25	280	
Sorbitol	250	52	
Styrene Monomer (Resale)	185	117	
Tartaric Acid	50	350	
Thiourea	50	110	
Toluene (Per Litre)	200	65	
Trichloroethylene	330	50	
Triethanolamine (Resale)	210	92	
Triethylene Glycol (TEG)		107	
Vinyl Acetate Monomer (VAM)	185	200	
Wax Industrial	25	105	
Wax Paraffin	24	98	
m-Xylene		57	
o-Xylene (Per Litre)	200	64	
Xylene Mixed (Per Litre)	200	61	

## CHEMICAL MARKET

### LEADS PLATFORM

#### Supplier?

You can post your product list just as restaurants post their menu items on Zomato. You can create your company profile just like the way you create your LinkedIn profile. Let the purchasers connect with you directly.

[Register For Leads Platform](#)



## parts, including the waste generated by the production of this prototype blade.

The next steps are as follows:

- Carry out full-scale structural life-time testing to verify the performances of the composite material

used for manufacturing the wind turbine blade, and its feasibility for future sustainable blade production;

- Validate the recycling process for the production waste and for this initial blade after dismantling.

By the end of the project in 2023, the consortium will have met the challenge

of bringing the wind energy sector into the circular economy loop in a sustainable manner, in accordance with eco-design principles.

Arkema is pleased to be part of this consortium and contributing, with its high performance materials, to the development of environmentally friendly and sustainable solutions for wind power.

Source : Arkema

## KBR and ExxonMobil Catalyst Licensing to Collaborate on Next Generation Propane Dehydrogenation Technology

HOUSTON, March 24, 2022 / PRNewswire/ -- KBR (NYSE: KBR) and ExxonMobil Catalysts and Licensing LLC ("ExxonMobil") will collaborate to bring significant advancements to propane dehydrogenation (PDH) technology.

Under the collaboration, ExxonMobil's new proprietary catalyst technology will be combined with KBR's proprietary K-PRO<sup>SM</sup> Propane Dehydrogenation (PDH) technology to convert propane into propylene. Enabled by the superior performance of ExxonMobil's new catalyst, the combined technology solution could offer financial savings compared to PDH technologies currently available.

### "The collaboration with

ExxonMobil is exciting not only for new K-PRO customers but also for existing K-PRO licensees who could have the potential to increase capacity and reduce operating expenses by upgrading to the new catalyst," said Doug Kelly, KBR President, Technology. "This joint technology offering, which is anticipated to feature substantially reduced energy consumption, adds to KBR's grow-

### ing portfolio of sustainable solutions."

"KBR's K-PRO technology and our next generation catalyst are a great fit and our collaboration with KBR will significantly help to reduce time to commercialize our next generation catalyst for PDH," said James Ritchie, President of ExxonMobil Catalysts and Licensing LLC.

This cooperation brings together over 50 years of both ExxonMobil's innovative leadership in the development of specialty catalysts and KBR's leadership in technology development, plant design and construction.

Source PRNewswire

## Clariant's Glucotain® Gem Pushes the Bubble Further for Soap Bath and Shower

- Multifaceted innovation to support water- and packaging-saving mild products
- Pure concentrated format, natural origin, robust builder of cleansing compositions

- Gives unique sensory to foamy compositions with pampering and protective after-feel on skin and hair

MUTTENZ, April 5, 2022 - Realize waterless and concentrated rinse-off and conditioning applications that

are extra-mild, high in creamy foam and renewable carbon index (RCI), and easy-rinsing with a precious class of materials now available to formulators. Launched today, Clariant's new essential member of its natural ingredients portfolio, GlucoTain GEM, is intended for



use in personal cleansing concepts that are gentle for the consumers and the planet.

**“GlucoTain GEM is a robust yet precious innovation for advancing products in a more sustainable direction. It is literally pushing the bubble further on cleansing, opening up new possibilities for the industry to overcome usual difficulties in developing mild but concentrated or solid rinse-off formulations and still achieve conditioning, delightful sensory for skin and hair. This glucamide ticks important boxes on performance and environmental impact to ultimately support formulators and consumers in making responsible choices,” comments Hermann Bach, Global Head of Strategic Marketing and Innovation at Clariant.**



More than ever, consumers are scrutinizing what they put on their skin and down the drain. At the same time, solid and concentrated products are also on the rise as the world becomes more conscious of reducing water and resource consumption. Such solid formats require less packaging and address increasing consumer focus on using less water, on longer-lasting easy-to-dose products, and on more sustainable packaging and transport footprints.

GlucoTain GEM aids the transition to more sustainable beauty, supporting effortless formulating of solid and concentrated high RCI and environmental label-compliant compositions that reduce water use and packaging. The pure, concentrated glucamide is sulfate-free and based on non-food competing sunflower oil and sugar syrup. These are sourced in Europe to ensure close proximity to the production site. The ingredient has very low water content, is 100% biode-

gradable, and has a low carbon footprint[1].

On the performance side, GlucoTain GEM is salt-free nonionic material. It enables formulators to impart incredible foam to skin and hair products that are easy to dilute, achieving a creamy whipped-like consistency which is easy to spread, and also quick and easy to rinse off. The after-feel is pampering and protective. All these benefits stem from its robust, rich structure which is highly compatible with the various ingredients in the chassis of rinse-off soap, bath and shower formulations.

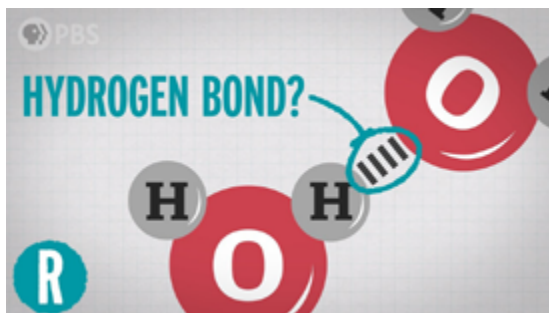
To demonstrate its potential, Clariant follows the trend of solid water-less formulation systems with the development of an environmental label-compliant conditioner bar with >99.5% RCI. The concept “GEM conditioner – as precious as your hair” is shown to have restorative and conditioning effects on damaged hair.

Source : Chemical Market

## Water Is More Confusing Than You Think Video

WASHINGTON, March 14, 2022 — The chemistry of water is fascinating but also incredibly controversial! In this video, we dive into heated debates about the science of water and its weirdness: <https://youtu.be/dlHxV0Hpt5L>.

Reactions is a video series produced by the American Chemical Society and PBS Digital Studios. Subscribe to Reactions at <http://bit.ly/ACSReactions> and follow us on Twitter @ACSReactions.



The American Chemical Society (ACS) is a nonprofit organization chartered by the U.S. Congress. ACS’ mission is to advance the broader chemistry enterprise and its practitioners for the benefit of

Earth and its people. The Society is a global leader in providing access to chemistry-related information and research through its multiple research solutions, peer-reviewed journals, scientific conferences, eBooks and weekly news pe-

riodical Chemical & Engineering News. ACS journals are among the most cited, most trusted and most read within the scientific literature; however, ACS itself does not conduct chemical research. As a specialist in scientific information solutions (including SciFinder® and STN®), its CAS division powers global research, discovery and innovation. ACS’ main offices are in Washington, D.C., and Columbus, Ohio.

Source : Chemical Market



Visit : <https://chemicalmarket.net/search>  
for more product listing...

## PRODUCT LIST

1 Amino

AAKAR DYES AND CHEMICALS Pg 14

1 Naphthol

AAKAR DYES AND CHEMICALS Pg 14

2(4 Ethyl Benzol)

Mavani Chemicals Pvt. Ltd. Pg 13

2(4 Methyl Benzoyl)

Mavani Chemicals Pvt. Ltd. Pg 13

2, 6. Dihydroxy Naphthlene

AAKAR DYES AND CHEMICALS Pg 14

2 Naphthol

AAKAR DYES AND CHEMICALS Pg 14

3,6 Disulfonic Acid

AAKAR DYES AND CHEMICALS Pg 14

4- Sulfonic Acid

AAKAR DYES AND CHEMICALS Pg 14

6BA

Chemilife Enterprises Pg 11

6 Nitro

AAKAR DYES AND CHEMICALS Pg 14

## A

Acetonitrile

Krishna Solvechem Ltd. Pg 7

Acetyl H. Acid

AAKAR DYES AND CHEMICALS Pg 14

Acid Green-16

AAKAR DYES AND CHEMICALS Pg 14

Acid Orange 156

Mavani Chemicals Pvt. Ltd. Pg 13

Acid Orange Liquid

HIREN ENTERPRISES Pg 14

Acid Yellow 36

Mavani Chemicals Pvt. Ltd. Pg 13

Acid Yellow 219

Mavani Chemicals Pvt. Ltd. Pg 13

Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 13

Amido G. Acid to Gamma Acid

AAKAR DYES AND CHEMICALS Pg 14

Amino ISO J Acid

AAKAR DYES AND CHEMICALS Pg 14

## B

Basic Auramine Liquid

HIREN ENTERPRISES Pg 14

Basic Bismark Brown R

HIREN ENTERPRISES Pg 14

Basic Bismark Brown Y

HIREN ENTERPRISES Pg 14

Basic Brown R Liquid

HIREN ENTERPRISES Pg 14

Basic Brown Y Liquid

HIREN ENTERPRISES Pg 14

Basic Crysodine R (Powder)

HIREN ENTERPRISES Pg 14

Basic Crysodine Y Base (Solvent Orange 3)

HIREN ENTERPRISES Pg 14

Basic Crysodine Y (Crystal & Powder)

HIREN ENTERPRISES Pg 14

Basic Crysodine Y Liquid Pg 14

Benzoic Acid

Mavani Chemicals Pvt. Ltd. Pg 13

Beta Naphthol to G. Salt

AAKAR DYES AND CHEMICALS Pg 14

B.H.K. Acid

Mavani Chemicals Pvt. Ltd. Pg 13

BIS AZO

Mavani Chemicals Pvt. Ltd. Pg 13

Blue TL

Mavani Chemicals Pvt. Ltd. Pg 13

BM Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 13

Bordo 3B

Mavani Chemicals Pvt. Ltd. Pg 13

Brassinolids

Chemilife Enterprises Pg 11

Bromo Benzene

Krishna Solvechem Ltd. Pg 7

## D

Dehydro Thio Based

Mavani Chemicals Pvt. Ltd. Pg 13

Diethylamine

Krishna Solvechem Ltd. Pg 7

Diethylenetriamine

Krishna Solvechem Ltd. Pg 7

Diethylhydroxylamine (DEHA)

Krishna Solvechem Ltd. Pg 7

Diisopropylamine

Krishna Solvechem Ltd. Pg 7

Diisopropylether (DIPE)

Krishna Solvechem Ltd. Pg 7

Diisopropylethylamine

Krishna Solvechem Ltd. Pg 7

Dimethylamine Hcl

Krishna Solvechem Ltd. Pg 7

Dimethylaminopropylamine (DMAPA)

Krishna Solvechem Ltd. Pg 7

Dimethylformamide

Krishna Solvechem Ltd. Pg 7

Dimethyl Sulphoxide

Krishna Solvechem Ltd. Pg 7

Di-n-butylamine

Krishna Solvechem Ltd. Pg 7

Dipropylene Glycol

Krishna Solvechem Ltd. Pg 7

Direct Orange 118 Liquid

HIREN ENTERPRISES Pg 14

Direct Red 81 Liquid

HIREN ENTERPRISES Pg 14

Direct Violet Base

Mavani Chemicals Pvt. Ltd. Pg 13

Direct Yellow - 09

Mavani Chemicals Pvt. Ltd. Pg 13

Direct Yellow 11 Liquid

HIREN ENTERPRISES Pg 14

Direct Yellow 87 Base

Mavani Chemicals Pvt. Ltd. Pg 13

## E

Edible Refine Salt

SKC INDUSTRIES LLP Pg 16

## F

Formic Acid 85% Luxi

Krishna Solvechem Ltd. Pg 7

## G

Gibberlic Acid

Chemilife Enterprises Pg 11

Green - BL

Mavani Chemicals Pvt. Ltd. Pg 13

G Salt to Amido G Acid

AAKAR DYES AND CHEMICALS Pg 14

## H

H Acid

AAKAR DYES AND CHEMICALS Pg 14

Heptane

Krishna Solvechem Ltd. Pg 7





Hexane

Krishna Solvechem Ltd. Pg 7  
Basic Brown Y Liquid Pg 14  
HIREN ENTERPRISES Pg 14  
Basic Brown Y Liquid Pg 14  
Hydrogen Peroxide 50%  
Krishna Solvechem Ltd. Pg 7

## I

Indole Acetic Acid  
Chemilife Enterprises Pg 11  
Indole Butyric Acid  
Chemilife Enterprises Pg 11  
Industrial Salt  
SKC INDUSTRIES LLP Pg 16  
IsoButyl Chloride  
Krishna Solvechem Ltd. Pg 7  
Isoprpyl Alcohol (IPA)  
Krishna Solvechem Ltd. Pg 7

## J

J Acid  
AAKAR DYES AND CHEMICALS Pg 14

## L

Lactose Monohydrate  
Krishna Solvechem Ltd. Pg 7

## M

Mamas Acid  
Mavani Chemicals Pvt. Ltd. Pg 13  
Methoxy Acetyl Chloride  
Krishna Solvechem Ltd. Pg 7  
MIPA 70%  
Krishna Solvechem Ltd. Pg 7  
Mnoethylamine 70%  
Krishna Solvechem Ltd. Pg 7  
MSP  
Krishna Solvechem Ltd. Pg 7

## N

Naphthalene 2:7 Disulfonic Acid  
AAKAR DYES AND CHEMICALS Pg 14  
N-Hexyl Bromide  
Krishna Solvechem Ltd. Pg 7  
N-Hexyl Chloride  
Krishna Solvechem Ltd. Pg 7  
Nitrizine Yellow  
Mavani Chemicals Pvt. Ltd. Pg 13  
N-Propyl Bromide  
Krishna Solvechem Ltd. Pg 7

## O

Octyl Bromide  
Krishna Solvechem Ltd. Pg 7  
Octyl Chloride  
Krishna Solvechem Ltd. Pg 7  
Orange ARL  
Mavani Chemicals Pvt. Ltd. Pg 13  
Orange Base  
Mavani Chemicals Pvt. Ltd. Pg 13

## P

Papas Acid  
Mavani Chemicals Pvt. Ltd. Pg 13  
Peracetic Acid  
Chemilife Enterprises Pg 11  
PH  
Mavani Chemicals Pvt. Ltd. Pg 13  
Phosgenated and Cyanuric Based  
Mavani Chemicals Pvt. Ltd. Pg 13  
Pivaloyl Chloride  
Krishna Solvechem Ltd. Pg 7  
PMBS  
Krishna Solvechem Ltd. Pg 7  
Propylene Glycol Monomethyl Ether Acetate  
Krishna Solvechem Ltd. Pg 7

## Q

Quinizarine (1-4 Dihydroxy Anthraquinone)  
Mavani Chemicals Pvt. Ltd. Pg 13

## R

Raw Salt/Crystal/Coarse Salt  
SKC INDUSTRIES LLP Pg 16  
Red - 4G  
Mavani Chemicals Pvt. Ltd. Pg 13  
Red - HI  
Mavani Chemicals Pvt. Ltd. Pg 13

## S

Salt Free Dyes  
Mavani Chemicals Pvt. Ltd. Pg 13  
SAPP  
Krishna Solvechem Ltd. Pg 7  
Silver Peroxide  
Chemilife Enterprises Pg 11  
SMBS  
Krishna Solvechem Ltd. Pg 7  
Sodium Bromide  
Krishna Solvechem Ltd. Pg 7  
Sodium Chloride  
Krishna Solvechem Ltd. Pg 7  
Sodium Chloride NACL 99%  
SKC INDUSTRIES LLP Pg 16

Sodium Percarbonate

Chemilife Enterprises Pg 11  
Sodium Sulphate  
SKC INDUSTRIES LLP Pg 16  
SS  
Krishna Solvechem Ltd. Pg 7  
Stain Indicator  
Mavani Chemicals Pvt. Ltd. Pg 13  
S. Titan Yellow  
Mavani Chemicals Pvt. Ltd. Pg 13  
STPP  
Krishna Solvechem Ltd. Pg 7  
Sulphuryl Chloride  
Krishna Solvechem Ltd. Pg 7

## T

Tablet Salt  
SKC INDUSTRIES LLP Pg 16  
Tetraethylene Pentaamine  
Krishna Solvechem Ltd. Pg 7  
Tetrahydrofuran (THF)  
Krishna Solvechem Ltd. Pg 7  
Thionyl Chloride  
Krishna Solvechem Ltd. Pg 7  
Tobias Acid  
AAKAR DYES AND CHEMICALS Pg 14  
Trethylamine  
Krishna Solvechem Ltd. Pg 7  
TRIS AZO  
Mavani Chemicals Pvt. Ltd. Pg 13  
TSP  
Krishna Solvechem Ltd. Pg 7  
TSPP  
Krishna Solvechem Ltd. Pg 7

## V

Valeryl Chloride  
Krishna Solvechem Ltd. Pg 7  
Violet 4B  
Mavani Chemicals Pvt. Ltd. Pg 13

## Y

Yellow ARL  
Mavani Chemicals Pvt. Ltd. Pg 13  
Yellow GL  
Mavani Chemicals Pvt. Ltd. Pg 13  
Yellow RL Base  
Mavani Chemicals Pvt. Ltd. Pg 13



# Native Shoes Launches The Robbie with Braskem's I'm Green™ Bio-Based EVA Polymer

Braskem (B3: BRKM3, BRKM5 and BRKM6; NYSE: BAK; LATIBEX: XBRK) ("Company"), the largest polyolefins producer in the Americas, as well as a market leader and pioneer producer of biopolymers on an industrial scale, today announced its involvement in Native Shoes' new line of The Robbie footwear, created with Braskem's renewable and carbon negative I'm green™ bio-based EVA polymer.

Native Shoes designed The Robbie with Generation Do in mind - the kids of today who are growing up as the most educated, connected, socially-aware and environmentally-minded generation in history. They're unafraid to stand up for their beliefs, argue with the grown-ups and challenge the status quo - and this is the shoe to help them on their way.



Renato Yoshino, Business Director, Olefins & Polyolefins South America, Braskem stated, "As the largest polyolefins producer in the Americas, Braskem is focused on collaborating with companies that share our commitment to advancing the creation of more sustainable, consumer-friendly products with our I'm green™ portfolio of eco-friendly materials. Native Shoes is helping lead the movement to meet the growing consumer demand for more environmentally conscious footwear and taking fashion to the next level of sustainability. Braskem is delighted to work with like-minded partners around new sustainably focused products, to ensure our products make a measurable positive impact at every step, from design, to delivery, to re-use."

Kyle Housman, CEO of Native Shoes commented, "Native Shoes is on a mission to make it easy for all to Live Lightly, and this is the design philosophy behind every new shoe we create. The Robbie was designed for Generation Do: the tiny activists who will grow up to change the world. We couldn't think of a better material to use for this shoe than Sugarlite™ - every bit as lightweight and comfortable as traditional EVA but made with sugarcane for a lighter greenhouse gas impact. We're excited to work with Braskem's I'm green™ polymer to bring Sugarlite™ - and some of our most innovative new designs - to life."

Sugarlite™ is Native Shoes' proprietary sugarcane-based EVA-blend material. Making up both the upper and midsole materials, Sugarlite™ offers the same lightweight, easy-clean, and odor-resistant properties for which Native Shoes are known and

loved but has a greenhouse gas impact that is 22% lower than traditional EVA, based on an ISO-aligned life-cycle analysis conducted by a third-party consulting group. Currently, Sugarlite™ contains 40% bio-based content from Braskem's sustainably sourced I'm green™ carbon negative EVA sugarcane-based biopolymer and Native Shoes is working to responsibly increase this through design and innovation.

Fully recyclable via the Native Shoes Remix™ Project, Tiny Activists can easily mail their old shoes - including the Robbie - back to Native Shoes for free, where they will be given a second life as playgrounds for local communities in Vancouver, British Columbia. For more information on The Robbie visit Native Shoe online at [www.nativeshoes.com/](http://www.nativeshoes.com/)

[robbie-collection](#).

**Braskem's I'm green™ bio-based EVA is sustainably produced from sugarcane, a renewable source that contributes to the reduction in greenhouse gas emissions by CO2 capture. For those who want to adopt Green EVA into a new product concept, it is ideal for use in footwear, toys, general foams and much more.**

Braskem's Green EVA benefits include:

- **Renewable Source:** Sustainably sourced and produced from sugarcane, a renewable raw material.
- **Drop-in Solution:** Replaces the conventional resin without investments in new machinery for plastic transformation.
- **Recyclable:** Green EVA can be recycled and reused in the same stream already developed for conventional EVA.

The I'm green™ brand represents Braskem's sustainable portfolio, aligned with its commitment to the circular economy. The goal is to combine innovation with sustainable development to achieve a better impact on the planet and society. To learn more about Braskem's sustainable I'm green™ portfolio, please visit online at: <https://www.braskem.com.br/imgreen/home-en>.

Source : Braskem



# Quaker Houghton to Exhibit at Extrusion Technology 2022

CONSHOHOCKEN, Pa., April 7, 2022 /PRNewswire/ -- Metal finishing and metalworking companies face challenges today as never before. From the increasing pressures and demands for improved quality, corrosion protection and safety, to boosting product aesthetics, the industry is seeking new ways to overcome these challenges. As a global leader in metal finishing chemicals and metalworking fluids, Quaker Houghton (NYSE: KWR) enables its customer to succeed by partnering to provide innovative solutions and industry leading expertise to solve complex challenges.

Quaker Houghton will exhibit at Extrusion Technology 2022, booth 208 on May 3 – 5, 2022 in Orlando, FL. At the event, the company will showcase a portfolio of innovative metal finishing and metalworking solutions including:

- **Etchants:** HOUGHTO-ETCH™ is used to remove a thin layer of aluminum to create a matte finish.
- **Colorants:** HOUGHTO-COLOR™ is an electrolytic coloring option for anodizing aluminum.
- **Sealants:** HOUGHTO-SEAL™ is used to seal the pores in anodic film, giving the aluminum a surface resistant to staining, abrasion, corrosion, and color degradation.

Complementing Quaker Houghton's portfolio offering are cleaners, conversion coatings, industrial lubricants and greases, fire-resistant hydraulic fluids, metalworking and forming fluids, and wastewater treatment technologies.

**Additionally, two experts from Quaker Houghton**

**will present in technical sessions during the event. Dr. Philip Zhao – Senior Research Chemist, will present "Innovative Approaches in Water-Based Metalworking Fluid Development" at 8:30 AM on May 4th and Dr. George Oh – Senior Lab Chemist will present "Testing the 720 Rule: Anodized Aluminum Coating Thickness Variation in Some Aluminum Alloys" at 9:00 AM on May 5th.**

Source : PRNewswire

# Lanxess Implements Variable Pricing Surcharge For Ion Exchange Resins And Iron Oxide Adsorbers

Mumbai, April 7, 2022 – Specialty chemicals company LANXESS will globally implement a variable pricing surcharge for its Lewatit ion exchange resins and Bayoxide iron oxide adsorbers which will be applied with immediate effect. The existing fixed surcharge will be adjusted based on the most relevant input costs on a monthly basis. In April/May 2022 the adder will be at around EUR 0.9/l or the equivalent amount in national currency. Customers will be



contacted individually.

This step became necessary since the already tense cost situation has worsened even further due to the war in the Ukraine. The markets worldwide are experiencing an unprecedented

volatility and prices for energy, raw materials and transportation increased at unexpected and unpredictable magnitudes.

**The LANXESS Liquid Purification Technologies business unit is one of the world's leading global solution providers for water treatment and liquid purification. Ion exchange resins and iron oxide adsorbers are used in numerous industries and applications to purify water and other liquid media effectively.**

Source : CChemical Market



## EVENTS AND CONFERENCES

### COATINGS FOR AFRICA

**Date:** May 04-06, 2022

**City:** Sandton Convention Centre, Johannesburg

**Country:** South Africa

**Website:** <https://www.coatingsforafrica.com/>

**Description:** With a rich history of success, through its association with the Oil and Colour Chemists' Association (OCCA) and South African Paint Manufacturing Association (SAPMA), Coatings For Africa is the largest dedicated coatings event in Africa for raw material and service suppliers, equipment and paint manufacturers. For three days, the trade exhibition along with the Coatings For Africa Conference, facilitates serious business and networking opportunities for the coatings community.

The event creates the perfect environment for manufacturers, raw materials suppliers, distributors, buyers and technical specialists like formulators from the coatings industry to meet face-to-face and do business. That's not all, the event offers the opportunity to gather insight on the latest processes, exchange ideas with industry leaders and build a strong network in the African continent.

### CHEM UK 2022 EXPO

**Date:** May 11-12, 2022

**City:** NEC, Birmingham

**Country:** UK

**Website:** <https://www.chemicalukexpo.com/>

**Description:** CHEMUK is now established as the UK's annual Chemical & Process Industries Supply Chain Expo and Speaker Programme, bringing together attendee groups from all segments of the industrial chemicals, formulated products, pharma, as well as from biochemical & process industries.

**Supply Chain Expo:** CHEMUK 2022 will provide visitor groups with a diverse showcase of some 300+ specialist UK & international exhibitors, showcasing latest plant, equipment, technology, supply chain materials & services supporting the chemical and processing industries, driving operational performance, efficiency, safety, sustainability, compliance and more.

### CPHI NORTH AMERICA

**Date:** May 17-19, 2022

**City:** Pennsylvania Convention Center

**Country:** PHL

**Website:** <https://www.cphi.com/northamerica/en/exhibit/book-stand.html>

**Description:** CPhI organizes the most important and widespread series of global pharmaceutical events. Our gatherings are both renowned and revered—but it didn't start in North America. With massive events throughout Asia, South America, Europe, and beyond...more than 500,000 powerful and respected pharma players from every aspect of the supply chain understand that CPhI is where they connect to learn, grow, and conduct business. With a 30-year tradition and an infrastructure fine-tuned to unite buyers, sellers, and industry trailblazers, we expanded this iconic worldwide events portfolio into the most progressive mega market on earth. Enter CPhI North America. It's true, the U.S. alone accounts for 40% of the world's pharmaceutical sales and is home to 6 of the top 11 companies. But much more than that, this is a place of community-building connections. A forum for thought leadership. The hub of innovation. And it all comes to life at CPhI North America.





## EVENTS AND CONFERENCES

### CHEMSPEC EUROPE

**Date:** May 31-June 01, 2022

**City:** Messe Frankfurt

**Country:** Germany

**Website:** <https://www.chemspeceurope.com/2021/english/event/about-chemspec-europe/>

**Description:** COVID-19, sustainability, new trends, and digitalisation are not just buzzwords. In fact, these aspects and the ongoing demand for innovations determine the industry.

The choice of the right suppliers and the exchange of knowledge within international industry networks is more important than ever. With a highly specialised exhibition profile, Chemspec Europe is a key event for buyers, traders and agents in search of bespoke solutions and innovative substances.

The 35th International Exhibition for Fine and Speciality Chemicals will take place from 31 May – 1 June 2022 at Messe Frankfurt, Germany

### CPHI JAPAN

**Date:** April 20 -22, 2022

**City:** Tokyo Big Sight, Koto

**Country:** Japan

**Website:** <https://10times.com/icse-japan>

**Description:** CPhI Japan is an international event focusing on the overall development of the pharmaceutical and medical industries worldwide. The event aims at increasing the overall domestic production along with the active participation of all stakeholders. This event shows products like providing the global overview of this sector with new innovations and research techniques that are already on or in the anvil etc. in the medical & pharmaceutical, packaging materials, plant, machinery & equipment, research & development industries.

### PAINT EXPO GERMANY

**Date:** April 26-29, 2022

**City:** Karlsruher Messe und Kongress GmbH, Karlsruhe,

**Country:** Germany

**Website:** <https://10times.com/paintexpo>

**Description:** PaintExpo is the worldwide leading trade fair for suppliers and users of industrial coating technology. It brings together many top decision makers from companies who use coating processes.

*Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers. This page was last updated on Nov 10th 2021*



# Development Of Raney Nickel Catalyst Earns Historic Chemical Landmark Designation

WASHINGTON, April 6, 2022 — The American Chemical Society (ACS) will honor the development of Raney® nickel with a National Historic Chemical Landmark designation in a ceremony at the University of Tennessee at Chattanooga on April 7, 2022.

Murray Raney (1885-1966) invented the catalyst now known as Raney nickel in 1926 while working out of his home laboratory near Chattanooga, Tennessee. Raney didn't attend high school, but after working for a few years, he realized he wanted more education and enrolled

at the University of Kentucky. He graduated with a degree in mechanical engineering.

Originally, Raney nickel was used to turn liquid vegetable oils into solid shortening, but by 1950 it had become one of the most widely utilized catalysts in the world. Today, Raney nickel produced by W. R. Grace & Co. is used to convert building-block chemicals into pharmaceuticals, food ingredients, agrochemicals, personal care products, fibers, fragrances and many other products that are an integral part of modern

daily life.

ACS established the National Historic Chemical Landmarks program in 1992 to recognize seminal events in the history of chemistry and to increase awareness of the contributions of chemistry to society. Past landmarks include the discovery and production of penicillin, the invention of synthetic plastics and the works of such notable scientific figures as educator George Washington Carver and environmentalist Rachel Carson.

Source : Chemical Market

# Vipul Organics Becomes One Of The Few Global Pigments Companies To Receive The Eco Passport Certification

Vipul Organics Limited, the BSE listed (VIPULORG / 530627) leading Specialty Chemicals company in the pigments and dyes segment, today announced that they have successfully received the OEKO-TEX Certification for their pigment products under the brand name SunPrint for the textile industry.

Vipul Organics joins a handful of companies globally in the pigments sector, to have received the ECO PASSPORT. This will open up opportunities for Vipul Organics to work with those global textiles and garments companies which are committed to upholding a sustainable ecosystem.

**"We are happy that our pigment products are now certified to be environmentally friendly. This human-ecological perspective is something that Vipul Organics has always focused on and now our cli-**

**ents can see the transparent proof of that with the ECO PASSPORT", says Mr. Mihir V Shah, Executive Director, Vipul Organics Limited. "The testing and certification process on which this Certificate is issued guarantees maximum consumer safety. The certification will also help us broaden our client base and target multinational companies that focus on safety and sustainability", he adds.**

The ECO PASSPORT by OEKO TEX is a definitive independent certification system that is especially designed for manufacturers of process chemicals and chemical compounds. The ECO PASSPORT certifies the safety and sustainability of the entire value chain of manufacturing textiles. During a multistep process, OEKO-TEX analyses whether each individual ingredient in the chemical product meets the statutory

requirements and that it is not harmful to human health. Both brands and manufacturers value the ECO PASSPORT as credible proof of sustainable textile and leather production. Once per year, OEKO-TEX updates the banned substances and limit values and expands them to include new scientific findings or statutory requirements.

Vipul Organics has always believed in offering the highest level of safety to its customers and today, its new factory at Tarapur is Zero Liquid Discharge (ZLD) unit. This involves a significant commitment of resources and Vipul Organics is focused on creating an environmentally friendly product line. With this credential, Vipul Organics now has significant advantage and opportunity to work with Global multinationals which require this certification from all its vendors.

Source : Chemical Market



# Shin-Etsu Chemical Develops a New One-Component Liquid Silicone Rubber Product that is Superior in Vulcanization Characteristics and Safety

Shin-Etsu Chemical Co., Ltd., (Head Office: Tokyo; President: Yasuhiko Saitoh) has developed a new series of products, the KCP Series, a new vulcanization type of one-component liquid silicone rubber.

One-component liquid silicone rubber cures at room temperature by reacting to the atmospheric humidity. After curing, because it has superior combined characteristics, including heat resistance, cold resistance, weather resistance and outstanding electrical properties, it is used as adhesive/sealing materials and coating materials in such products as component parts for electric vehicles (EV), semiconductors, and electric/electronics. Furthermore, because it cures at room temperature, it is not necessary to have a heating furnace and ultraviolet (UV) irradiation equipment. Accordingly, these new products will contribute to reducing environmental impact.

The KCP Series of products are a type that releases cyclopentanone\*1 at the

time of the curing reaction. This new product series will meet the expectations of our customers with its improved vulcanization characteristics, higher level of safety and excellent handleability compared to existing products.\*2 The main characteristics of these new products are as follows:

1. The vulcanization speed is fast and also the adhesion develops quickly, and thus work efficiency improves. The tack-free time\*3 of KCP-102 is 3 minutes, ½ of the time of the existing KE-4898-W\*4 product.
2. The odor that is generated at the time of curing is lower, and has a higher level of safety.
3. Because the ignition temperature is high, at more than 70 °C, the handling time and effort needed during the time of transport and storage can be reduced.
4. It exhibits good adhesion with various resins and also there are almost no corrosive effects on metals. \*5

There are 3 products lined up in the KCP Series according to their viscosity index: KCP-100 (low viscosity), KCP-101 (mid-viscosity) and KCP-102 (paste type). All of them are tube-type, and one can work simply by pushing the contents out from the tube-type container. Going forward, Shin-Etsu Chemical will continue to strive to meet the requests of our customers and develop products that have various added functions as we work to expand the line-up of our products.

**Shin-Etsu Chemical will continue to endeavor to enhance our ability to contribute to the solution of various social and customer issues by developing and supplying advanced functional silicone products through making full use of the technological power and knowhow that Shin-Etsu has nurtured up to now, as we work to further contribute to the realization of the sustainability of society.**

Source : Shin-Etsu

## Galaxy Surfactants Ltd Becomes Water Positive

Mumbai, 22nd March 2022: Galaxy Surfactants Ltd, one of the largest manufacturers of performance surfactants and Specialty Care Products in the country has achieved the status of being a water-positive company. Commemorating World Water Day, 2022, Galaxy Surfactants emerged as among the very few Indian companies and the second Indian Chemical company to be 1.4 times water positive.

The certification was granted by DNV Business Assurance India Private Lim-

ited which carried out verification of Galaxy's Water Accounting Data for its operational plants at Tarapur, Taloja and Jhagadia and Corporate Office at Navi Mumbai in India. According to the data, Galaxy Surfactants restored 4,15,261 (CuM) cubic metres of water back to the environment in comparison to its withdrawal of 2,97,513 CuM of water.

**India is home to 18% of the global population but only possesses 4% of the global water resources. According to OECD, by 2050, the con-**

**sumption of water by manufacturing industries will be 400% of what it was in 2000. Galaxy Surfactants, with the principles of Water Stewardship, has directed its operations to ensure the usage of water, socially and culturally equitable, environmentally sustainable, and economically beneficial.**

Source : Chemical Market



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Owner, Printer & Publisher Parimal B. Parikh Published at 401/C Himachal Bldg, Opp. Sunder Nagar, S. V. Road, Malad West, Mumbai 400064. Printed at Alco Corporation, A-Wing, Gala No 28, Ground Floor, Virwani Industrial Estate, Vishweshwar Nagar Road, Goregoan (East), Mumbai - 400063 MH. Mobile: +91-877-9830330/+91-98196-44048 Email : [info@chemicalmarket.net](mailto:info@chemicalmarket.net) Editor: Rajiv P. Parikh

