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DYES & CHEMICAL MARKET

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39th Year SINCE 1982

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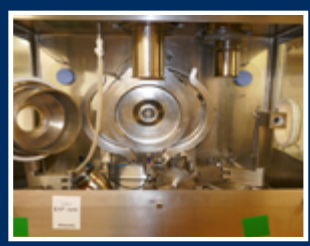

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Expo Paint And Coatings - 2022

28 29 30 July 2022

Pragati Maidan, New Delhi, India.

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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 m² Exhibition Space
- 250+ Exhibitors
- 10000+ Visitors
- Technical Conference
- High Number & Quality Of Trade Visitors / Buyers

- SAFE ENVIRONMENT SCHEDULED MEETINGS
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- CONCURRENT SHOW BRUSH TECH 2022
- BUYER - SELLER MEET & NETWORKING FORUM

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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

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

Supported By:

Indian Small Scale Paint Association; Indian Resins Manufacturers Association; Indian Speciality Chemicals Manufacturers Association; The Society For Surface Protective Coatings- India; The Chemical & Alkali Merchants' Association

Visitor Analysis

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

PAINTVISION | ipcm | Media Partners | CHEMICAL MARKET | 99 BUILDERS' CHOICE

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Concurrent Show

28 29 30 July 2022

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BrushTech 2022

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Hydrogen Peroxide 50% (240kg Carboys)
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Di Methyl Amine
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CHEMICAL MARKET

No	Exibitions	Date	Place
CphI - Informa Group			
1	CPhI North America	May 17-19, 2022	PHL
2	CPhI Worldwide Germany	Nov 1-3, 2022	Messe Frankfurt, Germany
3	CPhI Middle East & Africa	Apr 28, 2022	Fiera Milano, Milan, Italy
4	CPhI China- Virtual CPhI	June 21-23, 2022	SNIEC, Shanghai, China
5	CPhI Japan	Apr 20-22, 2022	Tokyo, Japan
6	CPhI Korea	Sept 28-30, 2022	COEX, Seoul, Korea
7	CPhI India	Nov 29 to Dec 1, 2022	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 14-16, 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	Aug 31 - Sept 3, 2022	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
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 Eurosia	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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- **VIOLET 4B** (Against Huntsman violet 4BLE)
- **YELLOW GL** (Against Huntsman YELLOW GLE)
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Product Name	Qty	Grade
Glycerine Terpinol	1 Tonnes	Industrial

Details :
Sanjay Rokad Shreeji Enterprise
Ankleshwar, Gujarat, India
Email : rokadsanjay@yahoo.com
Mobile : +91-701-615-0012

Product Name	Qty	Grade
Acetic Acid	Tanker	

Details :
Dinesh Gupta
HARESH ENTERPRISES (Wholeseller)
Email: setuenter@yahoo.co.in
Mobile: +91-9824200441

Product Name	Qty	Grade
Ammonium Sulphate pure white		

Details :
Manish
SM Dharani Chem Pvt Ltd(Manufacturer)
Email : manish@smdcpl.in 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.
Mr. Jitendra Bhalgat
Ahmednagar, Maharashtra, India
Email : jbhalgat11@gmail.com
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
Mr. Utpal Shah
Mumbai, Maharashtra, India
Email : utpal@jayeshgroup.com
Tel.: 9820144091

Product Name	Qty	Grade
Toulene	5000 Kgs	Industrial

Details : Kindly arrange to send us quotations
Santosh Taksale
Pune, MH Mobile: 9028843799
Email:santosh.taksale@manikchandpackaging.com

Product Name	Qty	Grade
Diethylene Glycol		

Details :
Rakesh Bachani
Royal Chemicals (India)
Email : info@royalchemindia.com
Mobile : +91-922-150-3305

Product Name	Qty	Grade
Naphthalene Powder	-	
Para Di Chloro Benzene Powder		
Camphor Powder		

Details :
Xavi
Gabhri Pharma (Manufacturer)
E-mail : fragrancevalley1992@gmail.com
Mobile : 9847687718

Product Name	Qty	Grade
Resorcinol	-	
Triethyl amine		
Paraformaldehyde		
Formaldehyde		

Details :
Ashok Patil (Manufacturer)
DD Patil Chemicals, Amalner Dist Jalgoan
Email: ddchemicalsales@gmail.com
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.
Arvindbhai Vadhadia
NewCera Minechem (Manufacturer)
Email : newceraminechem62@yahoo.com
Mobile : +91-9429460123

Product Name	Qty	Grade
3-(2-Ethyhexyloxy) Propylamine. CAS NO : 5397-31-9	5 Tonnes	Chemical

Details : Need this 5 Tonnes.
Raj Shah
NASSOLKEM, BUL BUL (Manufacturer)
Email : natchem@gmail.com
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.
Jitendra Bhalgat
Ahmednagar, Maharashtra, India
Email : jbhalgat11@gmail.com
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 Kerela)
Rajshree Varshney
Mumbai, Mh
Mobile: + 917520945076
Email : rajshree.varshney@gmail.com

Product Name	Qty	Grade
Tera Hydrofurin (thf)	-	

Details : We are Trader and Deal in api and solvents
Rajiv Kapoor
Global Enterprises (Traders)
Mobile: 8866506582
Email : globalenterprisespurchase@gmail.com

Product Name	Qty	Grade
Modified Starch	1 Tonnes	Technical

Details : for our won purpose
Purushotham M
Salem, Tamil Nadu, India
Mobile: +919443326055
Email : sreestarch@gmail.com

Product Name	Qty	Grade
Trifluoromethyl benzene (CAS 98-08-8)	300 Kgs	Industrial

Details : for our won purpose
Chetan Lakhpati
Thane, Maharashtra, India
Mobile: 9920337763 Email : clakhpati@gmail.com

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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).
Kishor at Moglix
Noida
Mobile: 96503-64721
Email : Kishor.tarafdar@moglix.com

Product Name	Qty	Grade
IPA		

Details : Bulk requirement
Amit Dave
Amit International (Distributor)
Email : amitintl@zoho.com
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	
Dimethylsuccinylo 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 :
Pravin Iyer
AT Pigments (Manufacturer)
Email : pravin.iyer@atpigments.com
Mobile : 9898507767

Product Name	Qty	Grade
Silica Sand	500 Tonnes	Industrial

Details :
Mr. Haroun Mousa
Dammam
Mobile: 00966566663350
Email : haroonmousa69@gmail.com

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Product Name	Qty	Grade
Titanium dioxide		

Details :
P. DO. SHAH
SEMITONE INDIA (Manufacturer)
Email : prakash@pcf.co.in
Mobile : 918850655380

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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)
Abhishek Jha
Valsad, Gujarat, India
Email : pur5@triveniinterchem.com

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Product Name	Qty	Grade
Barium Titanate		
Calcium Titanate		
Lead Titanate		
Lithium Titanate		

Details :
P. DO. SHAH
SEMITONE INDIA (Manufacturer)
Email : prakash@pcf.co.in
Mobile : 918850655380

Product Name	Qty	Grade
Industrial Label Gum 38051010		

Details :
Janardhan
Katyayani Polymers (Manufacturer)
Email : katyayanipolymers@gmail.com
Mobile: +91-995-990-0375

Product Name	Qty	Grade
Purified Terephthalic Acid	-	Trader

Details :
Rakesh Bachani
Royal Chemicals (India)
Email : info@royalchemindia.com
Mobile : +91-922-150-3305

Product Name	Qty	Grade
Toluene c9 and solvents	-	Trader

Details : We are Trader and Deal in api and solvents
Rajiv Kapoor
Global Enterprises (Traders)
Mobile: 8866506582
Email : globalenterprisespurchase@gmail.com

Product Name	Qty	Grade
Reactive Dyes	Bulk	Distributor
Ramazoles		
Vat Dyes		

Details :
M/s Diamond Dyes Industries Pvt. Ltd.
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: bharatd18@gmail.com

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 : amritdyes1952@gmail.com

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Sales Enquiries

Product Name	Qty	Grade
Alfa Napthols		
Diethyl Meta Toluidine		
2 Nitro Di Methyl Tere-phthalate		
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
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
Mobile: +91-9824200441

Product Name	Qty	Grade
Ammonium Sulphate caprolactum grade		

Details :
Manish
SM Dharani Chem Pvt Ltd(Manufacturer)
Email : 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, Dari-**yasthan Street, Masjid (West), Mumbai - 400 003**
Tel: 022-6331-2140 Fax: 022-2347-1894
Mobile: 098200-92170, 098198-61068
Email: 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

Sales Enquiries

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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
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
Mobile : 919820217042

Product Name	Qty	Grade
Glycerine	12 Tons	Manufacturer

Details :
Tajinder Goyal
Softex Surgial
Email : 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
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
Phone : 07122734041

Product Name	Qty	Grade
Polyacrylamide		
Hydrochloric Acid		
Indutrial Safety Mask		

Details : Bulk requirement
Amit Dave
Amit International (Distributor)
Email : 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
Mobile : 9867724805

Product Name	Qty	Grade
EDTA Tetra Sodium Liquid	-	

Details :
Parthiv
Shiv Chem Industries (Manufacturer)
Email : chelateshivchem@yahoo.co.in
Tel.: 079-2282-3447

Product Name	Qty	Grade
Diflubenzurone	250 Kg 500 Kg	

Details :
CHANDRESH HAPANI
ANIMED (Distributor)
Email : animed6@yahoo.co.in
Mobile : 9830175616

Sales Enquiries

Product Name	Qty	Grade
Sulphur Powder		
Sulphur Roll		

Details : we are manufactuers of Sulphur powder and Sulphur roll
Adesh
J.K.Industries, Deoband (Trader)
Email : jkind.dbd@gmail.com
Mobile : 9412113914

Product Name	Qty	Grade
Mercuric Chloride		

Details :
Surendra Agrawal
Ankur Chemicals (Manufacturer)
Email : ankurchemical@yahoo.com
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		
Emusifier		
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 :
Prashant Satpute
Sauradip Chemical Industries Pvt. Ltd. (Manufacturer)
Email : prashant.satpute@sauradip.com
Mobile : 09769015004

Product Name	Qty	Grade
Solvent Dyes (solvent yellow 82 & orange 62)		

Details :
Prakash Patel
NAVDURGA DYES & CHEMICAL (Manufacturer)
E-mail : navdurgadyes@gmail.com
Mobile : 9022673905

Product Name	Qty	Grade
Sanitizing Alcohol Swabs 70 percent IPA / 67-63-0 / 3005 / Isopropyl Alcohol / 70 percent / Medical	Bulk	Medical

Details :
Sameer Makhija
Mak Medicals Private Limited (Manufacturer)
Email : makmedicalsltd@gmail.com
Mobile : +91-987-140-8777

Product Name	Qty	Grade
Inorganic Salts		

Details :
Santosh Thakre
S S Fine Chem Laboratories (Manufacturer)
Email : ssfinechemlaboratories@gmail.com
Mobile : +91-986-777-4142

Product Name	Qty	Grade
Borax	Bulk	

Details :
Sandip Agarwal (Distributor)
Supreme Borochem Private Ltd
E-mail : sandip@sbpl.co.in
Mobile : +91-983-100-1334

Product Name	Qty	Grade
General Tablets and Liquid Syrup		
NSAIDs		
Cough syrup		
Narcotics formulation		
Antibiotics		

Details :
Nirav Patel
Indamed Pharmaceuticals Pvt. Ltd. (Manufacturer)
Email : indamedpharma@yahoo.co.in
Mobile : +91-968-787-7922

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CHEMICAL MARKET

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

Chemical Industry in a nutshell! Part 1

The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials (oil, natural gas, air, water, metals, and minerals) into more than 70,000 different products. The plastics industry contains some overlap, as some chemical companies produce plastics as well as chemicals.

Polymers and plastics such as polyethylene, polypropylene, polyvinyl chloride, polyethylene terephthalate, polystyrene and polycarbonate comprise about 80% of the industry's output worldwide. These materials are often converted to fluoropolymer tubing products and used by the industry to transport highly corrosive materials. Chemicals are used in many different consumer goods, and are also used in many different sectors. This includes agriculture manufacturing, construction, and service industries. Major industrial customers include rubber and plastic products, textiles, apparel, petroleum refining, pulp and paper, and primary metals. Chemicals are nearly a $3 trillion global enterprise, and the EU and U.S. chemical companies are the world's largest producers.

Sales of the chemical business can be divided into a few broad categories, including basic chemicals (about 35% - 37% of dollar output), life sciences (30%), specialty chemicals (20% - 25%) and consumer products (about 10%).

Basic chemicals, or "commodity chemicals" are a broad chemical category including polymers, bulk petrochemicals and intermediates, other derivatives and basic industrials, inorganic chemicals, and fertilizers.

Polymers are the largest revenue segment and includes all categories of plastics and man-made fibers. The major markets for plastics are packaging, followed by home construction, containers, appliances, pipe, transportation, toys, and games. The largest-volume polymer product, polyethylene (PE), is used mainly in packaging films and other markets such as milk bottles, containers, and pipe.

Polyvinyl chloride (PVC), another large-volume product, is principally used to make piping for construction markets as well as siding and, to a much smaller extent, transportation and packaging materials.

Polypropylene (PP), similar in volume to PVC, is used in markets ranging from packaging, appliances, and containers to clothing and carpeting.

Polystyrene (PS), another large-volume plastic, is used principally for appliances and packaging as well as toys and recreation.

The leading man-made fibers include polyester, nylon, polypropylene, and acrylics, with applications including apparel, home furnishings, and other industrial and consumer use. **Principal raw materials for polymers are bulk petrochemicals like ethylene, propylene and benzene.**

Petrochemicals and intermediate chemicals are primarily made from liquefied petroleum gas (LPG), natural gas and crude oil fractions. Large volume products include ethylene, propylene, benzene, toluene, xylenes, methanol, vinyl chloride monomer (VCM), styrene, butadiene, and ethylene oxide. These basic or commodity chemicals are the starting materials used to manufacture many polymers and other more complex organic chemicals particularly those that are made for use in the specialty chemicals category.

Other derivatives and basic industrials include synthetic rubber, surfactants, dyes and pigments, turpentine, resins, carbon black, explosives, and rubber products and contribute about 20 percent of the basic chemicals' external sales.

Inorganic chemicals (about 12% of the revenue output) make up the oldest of the chemical categories. Products include salt, chlorine, caustic soda, soda ash, acids (such as nitric acid, phosphoric acid, and sulfuric acid), titanium dioxide, and hydrogen peroxide. [Part 1]

-Rajiv Parikh

Global Cosmetic Chemicals Markets, 2022-2026 - Surging Usage of Fragrance in Products, Increasing Demand for Skincare & Anti-Aging Cosmetics, & Continuous R&D Activities

DUBLIN, April 20, 2022 /PRNewswire/ -- The "Global Cosmetic Chemicals Market (by Product Type, Consumption & Region): Insights & Forecast with Potential Impact of COVID-19 (2022-2026)" report has been added to ResearchAndMarkets.com's offering.

The global cosmetic chemicals market is anticipated to reach US$29.49 billion in 2026, progressing at a CAGR of 5.51%, over the period 2022-2026.

The growth of the market has been driven by a growing consumer base, rising disposable income, upswing in cosmetics manufacturing, expanding urbanization, rapid adoption of cosmetic products among millennials and mounting retail e-commerce sales.

However, growth of the market would be challenged by escalating trend of using organic cosmetic products, increasing consumer awareness and rising cases of allergies. Some of the noteworthy trends of the market include rising trend of male grooming, increasing demand for skincare & anti-aging cosmetics, surging usage of fragrance in products and continuous R&D activities.

The global cosmetic chemicals market is categorized on the basis of product type and consumption. According to the product type, the global cosmetic chemicals market can be categorized into emollients & moisturizers, surfactants, single use additives, colourants & pigments, thickening agents and others The competitive landscape of the market, along with the company profiles of leading players (BASF SE, Dow Inc. (The Dow Chemical Company), Akzo Nobel N.V., Givaudan SA, Ashland Global Holdings Inc., and Croda International PLC) are also presented in detail.

Read the full report : https://www.researchandmarkets.com/r/cs981j
If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Coating Resins Market Will Reach USD 31290 Million By 2028 With A CAGR of 2.9% - Valuates Reports

BANGALORE, India, April 20, 2022 /PRNewswire/ -- Coating Resins Market is segmented by Type - Acrylic, Alkyd, Vinyl, Polyurethane, Epoxy, Amino, Unsaturated Polyester, Saturated Polyester, Others, by Application - Architectural Coatings, Automotive Coatings, General Industrial Coatings, High Performance Coatings, Wood Coatings, Packaging Coatings, Others. Global Opportunity Analysis and Industry Forecast, 2022 - 2028. It is published in Valuates Reports under the Chemicals Industry Category.

The global Coating Resins market size is estimated to be worth USD 26370 million in 2022 and is forecast to a readjusted size of USD 31290 million by 2028 with a CAGR of 2.9% during the review period.

Major Factors Driving The Growth Of The Coating Resins Market

The Coating Resins market is growing due to an increase in demand for architectural coatings. In addition, the Coating Resins market is expected to grow due to an increase in demand for green and environmentally friendly coating systems in architectural designs. Coating resins are in high demand in the roadways marking industry due to their weather resistance properties, which help to reduce road maintenance costs. Another factor that is expected to boost the growth of the coating resins market is the increase in automobile production.

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

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Global Engineering Resins, Polymer Alloys and Blends Markets Report 2022-2026 with Company Profiles of Major Players Including DSM, Evonik Industries, Lanxess, SABIC IP, Teijin and Trinseo

DUBLIN, May 6, 2022 /PRNewswire/ -- The "Engineering Resins, Polymer Alloys and Blends: Global Markets" report has been added to ResearchAndMarkets.com's offering. The report is analyzed on the basis of segmentation within type, application and region. Regions are further sub-segmented within key countries. Engineering resins are plastic materials that possess better mechanical and/or thermal properties than ordinary commodity plastics. These resins, which possess high strength, are generally resistant to high temperatures, wear and corrosives and are often used in wood or metal replacement applications as a means of reducing cost or weight while maintaining strength and performance.

Generally, all products manufactured with these engineering resins possess better mechanical, thermal or electronic enhancements over standard plastic resins. Because of these enhanced characteristics, they are used in important and demanding applications like the military, aerospace, medical, automotive, and appliance industries.

The engineering resins market is one of the emerging industries in the polymers market. The demand is increasing because of its characteristics like rigidity, strength, impact and heat resistant, chemical stability and which are needed in various industrial applications such as the automotive industry, electrical/electronic industry, building construction, medical applications, appliance industry, and others.

As engineering resins are cost effective, almost all the automotive companies are using engineering resins to replace more and more metal components. Replacing metal components with thermoplastics is the major growth driver.

Read the full report : press@researchandmarkets.com
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Worldwide Biopolymers Industry to 2028 - Featuring BASF, NatureWorks and Braskem Among Others

DUBLIN, April 19, 2022 /PRNewswire/ -- The "Biopolymers Market, by Product Type, by Application, by End User, and by Region - Size, Share, Outlook, and Opportunity Analysis, 2021 - 2028" report has been added to ResearchAndMarkets.com's offering.

Conventional petroleum-based polymers are non-biodegradable and difficult to recycle. Moreover, the production of conventional plastics is associated with concerns such as greenhouse gas emissions. Therefore, the demand for sustainable polymeric material is increasing as a substitute for conventionally used polymers. Bio-based polymer is an eco-friendly solution, as the polymer can easily degrade. Among end-user the packaging segment is expected to witness significant market share in the global biopolymers market. Biopolymers are mainly used in packaging applications. The packaging sector is witnessing increasing demand for plastics. For instance, according to the Plastics and Composites Sector Report (2015) of the Academy of Sciences Malaysia, worldwide plastic demand is expected to reach 600 million tons by 2050. Biopolymers are sustainable alternative to conventional plastics and are increasingly used in the packaging industry, which in turn, is expected to fuel the market growth over the forecast period.Among regions, Europe accounted for a significant market share in 2020, owing to the increasing presence of key players in the region. For instance, in June 2021, BASF SE is a multinational chemical company. Consumer demand for natural cosmetics is growing rapidly, prompting personal care manufacturers to find eco-friendly alternatives to tried-and-true solutions. With the COSMOS-approved texturizing biopolymer Hydagen Clean, BASF SE now offers a natural alternative to synthetic polymers. Due to its low microbial count and rapid dissolution in both cold and hot water, Hydagen Clean is characterized not only by its high quality, but also by its ease of use.

Read the full report : https://www.researchandmarkets.com/r/evm8o4
If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Chimei Announces The World's First Optical Light Guide Plate Made From Chemically Recycled MMA

TAIPEI, April 20, 2022 /PRNewswire/ -- CHIMEI Corporation today announced its successful implementation of chemically recycled MMA in optical light guide plates for displays. The light guide plates use recycled MMA, which can maintain the same optical characteristics as the virgin MMA. CHIMEI plans to begin mass production of the recycled MMA light guide plates in Q3, 2023. CHIMEI has successfully introduced new solutions and created new areas for recycled materials in displays. It has reached an important milestone for the sustainable circular journey of displays.

In order to fully realize circular recycling and carbon reductions, CHIMEI is working with the supply chain to develop and use various sustainable materials, including mechanical recycling, chemical recycling, and biomass materials. As an important international PMMA acrylic pellet and light guide plate supplier, CHIMEI has actively evaluated recycling technologies suitable for optical materials in response to the customers' expectations for recycled material usage. Additionally, CHIMEI possesses years of manufacturing experience and superior technical abilities related to optical materials and plates. The company is the first to successfully introduce recycled MMA optical light guide plates in the market. CHIMEI's achievement shattered the idea that recycled materials can only be used for exterior parts. The company has successfully shown that recycled materials can be used in key optical components, reaching an important milestone for the sustainable circular journey of displays.

CHIMEI's recycled MMA uses chemical recycling. The PMMA waste recycled by CHIMEI and its customers is processed through pyrolysis and restored to MMA. This process can reduce the use of new MMA. It uses less energy and the carbon reduction effect is expected to reach 40%. In the future, recycled MMA can be used in CHIMEI PMMA, MS, and MABS products, increasing the circular benefits.

CHIMEI has long been dedicated to the development of recycled materials. In 2016, the company first started deployment of mechanical recycling and established the PCR plastic materials recycling supply chain and has already become an important PCR ABS, PCR PC, and PCR alloy supplier. For this success, CHIMEI ventured into the more technical area of chemical recycling. CHIMEI aimed to make greater contributions towards the development of circularly recycled materials.

Source : PRNewswire

Consumer Goods Companies Announce Position on Chemical Recycling Technologies and Publish Life Cycle Assessment

PARIS, April 13, 2022 /PRNewswire/ -- As part of its mission to tackle the plastic pollution challenge and help advance a world where no plastic ends up in nature, The Consumer Goods Forum's (CGF) Plastic Waste Coalition of Action (the Coalition) is pleased to announce the publication of a Vision and Principles Paper, entitled "Chemical Recycling in a Circular Economy for Plastics" which encourages the development

(Continue on Page 43)

HYUNDAI MOTOR GROUP LEADERSHIP IN ELECTROMOBILITY RECOGNIZED WITH MULTIPLE WORLD CAR AWARDS

SEOUL, South Korea, April 21, 2022 /PRNewswire/ -- Hyundai Motor Group (the Group) has won a series of highly sought-after accolades at the prestigious World Car Awards (WCA), with the Hyundai IONIQ 5 securing the World Car of the Year, World Electric Vehicle of the Year, and World Car Design of the Year. The award wins and finalist nominations across multiple WCA categories highlight the Group's vision and leadership in the delivery of battery electric vehicles (BEVs) with cutting-edge design and technology

An independent international jury comprising of 102 highly experienced, well-respected automotive journalists from 33 countries around the world reviewed the latest models to launch over the past year. The BEVs of Hyundai Motor, Kia, and Genesis were nominated as top three finalists in at least one of the six categories, with the Hyundai IONIQ 5 and Kia EV6 both named as finalists in the World Car of the Year and World Car Design of the Year. The Genesis GV60 was among the three finalists for the World Luxury Car of The Year.

Euisun Chung, Executive Chair at Hyundai Motor Group, commented: "It's a great honor for us to win these highly influential World Car Awards, including the World Car of the Year title. I would like to thank all of our team members across the Group for their continued hard work and dedication, without which we would have not achieved such outstanding results.

"Our three brands, Hyundai, Kia and Genesis, have all introduced game-changing electric vehicles this past year. While each has its own clear identity, they all reflect an important Group-wide ethos: to deliver products with class-leading design, innovation, quality and performance. Our vision is to create a new world of mobility, where people can come together safely and sustainably. These vehicles – and these award wins – are evidence of this vision becoming reality; part of our diverse range of new electromobility solutions designed to benefit humanity."

The Hyundai IONIQ 5, Kia EV6 and Genesis GV60 are all based on HMG's innovative Electric-Global Modular Platform (E-GMP), combining the latest EV powertrain and charging technologies with highly spacious interiors. With extensive driving ranges and 800V ultra-fast charging capabilities for a 10 to 80 percent charge in just 18 minutes, all three models have been designed to be enjoyed without compromise.

Source : PRNewswire

JERA AND SUMITOMO CHEMICAL START A DEMONSTRATION PROJECT TO DEVELOP A LOW ENVIRONMENTAL IMPACT RECYCLING PROCESS FOR ELECTRIC VEHICLE LITHIUM-ION

TOKYO – 19 April 2022 – JERA Co., Inc. ("JERA") and Sumitomo Chemical Co., Ltd. ("Sumitomo Chemical") have received notice that their grant application, under the Green Innovation Fund program of the New Energy and Industrial Technology Development Organization (NEDO), to conduct a project to develop a process for recycling lithium-ion batteries for electric vehicles (the "Project"), has been accepted.

With the number of electric vehicles expected to increase as part of realizing carbon neutrality, there is a need in Japan—a country with few natural resources—to separate and collect the rare metals contained in used batteries for reuse as battery materials, and to do so in a way that is efficient and has a low environmental impact.

The current roasting method, however, because it not only emits CO2 but also oxidizes and degrades the materials, makes it difficult to efficiently collect rare metals.

The Project aims to solve these challenges by developing a low environmental impact process for recycling lithium-ion batteries for electric vehicles. The term of the Project is 9 years from FY 2022 to FY 2030.

In the Project, JERA, in cooperation with Waseda University, Kumamoto University, and others, will develop and demonstrate a non-roasting method for separating and collecting battery materials by utilizing its patent-pending high voltage pulse technology. Sumitomo Chemical, in cooperation with Kyoto University, will develop and demonstrate a direct recycling technology that recycles, without returning them to metal, the cathode materials JERA has separated and collected. Sumitomo Chemical also plans to develop an upcy-

cling technology that raises the cathode materials' performance to at least the same level as before recycling.

Through these initiatives, the two companies aim both to efficiently collect and reuse cathode materials and other battery materials without oxidization or degradation and to reduce CO2 emissions and costs.

Under its "JERA Zero CO2 Emissions 2050" objective, JERA has been working to reduce CO2 emissions from its domestic and overseas businesses to zero by 2050. JERA will actively work to realize a decarbonized closed-loop society by developing technologies like an energy storage system that reuses electric vehicle batteries and by developing services that contribute to optimal energy use.

Sumitomo Chemical has identified "contribution to area of the environment" as one of its material management issues, and in December 2021 formulated a grand design to achieve carbon neutrality by 2050. Leveraging the technological capabilities and expertise it has accumulated over many years as a diversified chemical company, Sumitomo Chemical will accelerate its efforts to resolve major social issues such as greenhouse gas emissions reduction.

Source : Sumitomo Chemical

SHIN-ETSU CHEMICAL DEVELOPS NEW THERMAL INTERFACE SILICONE RUBBER SHEET SERIES FOR APPLICATIONS IN COMPONENTS OF ELECTRIC VEHICLES AS THE TECHNOLOGY FOR HIGH VOLTAGE DEVICES ADVANCES

Shin-Etsu Chemical Co., Ltd., (Head Office: Tokyo, President: Yasuhiko Saitoh) has newly developed thermal interface silicone rubber sheet, the "TC-BGI Series," for applications in components for electric vehicles as the technology for high voltage devices advances.
At present, demand for electric cars is growing, starting with electric vehicles (EV), and going forward, further widespread market growth is expected. The components used in electric cars are required to be smaller and lighter, and to increase energy density, high voltage is required for the system voltage.

In order to meet these requirements, Shin-Etsu Chemical has been going forward with the development of thermal interface silicone materials that can be used as heat dissipation measures for component parts of electric cars for which high voltage requirements are increasing.

This new product, the "TC-BGI Series," is a high hardness thermal interface silicone rubber sheet that has the combined characteristics of high voltage endurance and thermal conductivity that are achieved by means of our company's own technologies, and this new product comes in 2 thicknesses: 0.2mm and 0.3mm.

The main characteristics of this new product are as follows:

1. It realizes a voltage endurance assurance that is at the highest level in the industry. We can assure a voltage endurance of 3kV with the thickness of 0.2mm, and 5kV with the thickness of 0.3mm on the entire surface of a sheet. Furthermore, we are in the process of developing a product that will assure more than 4kV voltage endurance with a sheet of 0.2mm thickness on the entire sheet surface.

2. It has high thermal conductivity of 7W/m•K.

3. It possesses high hardness and at the same time high strength, and it is superior in workability compared to the pad-type.

4. Compared to the non-silicone-type, it is superior in long-term reliability.

In order to strengthen an automobile's performance and reliability, heat dissipation material is essential, and various products and technologies for achieving heat dissipation are being developed.

Shin-Etsu Chemical has a very wide line-up of various types of silicone thermal interface materials. In addition to silicone rubber sheets, we offer pads, greases (oil compounds), gap fillers, liquid rubbers (adhesives and potting material). Our wide variety of silicone thermal interface materials can meet the demand for various heat dissipation measures.

Along with the development of these new products, Shin-Etsu Chemical is moving forward in meeting our customers' various requests regarding such areas as technical support with thermal analysis technologies, and we are manufacturing and processing at International Standard for Automotive Quality Management Systems (IATF16949:2016)-approved plants.

Source : Shin-Etsu Chemical

WHATS HAPPENING WITH THE ENVIRONMENTAL IMPACT OF E-CARS

Environmental impact of e-cars: Are they - environmentally friendly or not? There are many arguments in favor of e-cars, but also some against. Here's a fact check.

TOPICS IN THIS ARTICLE

- A look inside the battery of an e-car
- How big is the carbon footprint of a battery?
- What can be improved in the environmental balance of an e-car?

A look inside the battery of an e-car

The battery is the heart of an electric car and has a significant impact on its environmental footprint. Without it, nothing moves; it stores energy for the charging process, provides power for the engine and is a decisive parameter for the car's range.

- What does it look like inside the battery?
- What influence does the battery have on the vehicle's carbon footprint?

The battery pack: powerful and safe

The battery pack of an electric car should not be thought of as a single component. Rather, it consists of numerous modules with multiple battery cells that are interconnected. In this way, the battery provides the necessary energy for the powertrain.

In addition to high energy and power density, the most important requirements are functionality and safety. The battery itself is therefore encased in a housing made of materials that are robust, flame-resistant and as light as possible. LANXESS is also developing its own solutions for the automotive industry.

Electromobility and Circular Economy Initiative

We offer various chemicals for the field of electromobility. Flame retardants, coolants, high-tech thermoplastics for battery and electric powertrain components, but also starting materials for cathode materials and electrolyte components.

Martin Säwe, Head of the Electromobility and Circular Economy Initiative LANXESS said, "As a manufacturer of numerous key materials for lithium-ion batteries, we want to help create sustainable and reliable supply chains in Europe."

Lithium brings the energy

Lithium-ion batteries are the most widely used. Why lithium? The electricity that is needed to power the engine and other units such as the steering, braking unit, heating, air conditioning and onboard computer is nothing more than a flow of electrons.

The alkali metal has an important property for the battery: it releases its electrons very easily into the current flow and has a low intrinsic mass. Essentially, the more lithium in the battery electrodes, the higher the capacity. In addition, lithium-ion batteries show limited aging during charging and discharging.

Lithium extraction at LANXESS

LANXESS is also active in the field of lithium extraction. Together with the Canadian company Standard Lithium, we are currently conducting a study on the economic viability and technical feasibility of the industrial production of battery-grade lithium carbonate. A corresponding facility could be built at one of our plants in the United States. LANXESS is currently mining brine for the production of bromine products at this plant. Standard Lithium is contributing an innovative process for extracting high-purity lithium from the brine to the cooperation. We expect the results of the study before the end of the year.

What is the carbon footprint of a battery?

Electric vehicles are considered climate-friendly. After all, no fossil fuels such as gasoline or diesel are burned to power the engine. This also eliminates carbon dioxide emissions.

However, if we look only at the production process, the environmental balance of electric cars is initially worse than that of vehicles with internal combustion engines, according to the German Federal Ministry for the Environment.

Reasons for this include:

- A large proportion of the batteries currently come from Asia. There, the share of coal-based power generation is significantly larger than in Germany.
- More raw materials are needed, including larger quantities of cobalt, copper and nickel. But the extraction of these raw materials is energy-intensive, associated with high environmental burdens, and in some cases ethically problematic.
- Large amounts of CO2 are also produced in intermediate products such as steel, aluminum and plastics due to the high energy input.

Comparison of CO2 emissions of "electric cars" vs. conservative vehicles

Over the entire life cycle, however, the climate balance of the e-car compares favorably with vehicles running on gasoline or diesel engines. Significantly less carbon dioxide is produced during driving and energy supply. This overcom-

pensates for the electric vehicle's poorer carbon dioxide emissions in production, maintenance and disposal.

According to the German Ministry of Environment, electric vehicles already produce 30 percent less greenhouse gases than gasoline-powered vehicles. Compared to a diesel vehicle, the figure is 23 percent. With the planned expansion of renewable energies in Germany in the coming years, this advantage will increase further.

What can be done to improve the environmental performance of e-cars?

There is potential for improving the environmental performance of electric vehicles. According to the Swedish Environmental Institute IVL and the Fraunhofer Institute for Systems and Innovation Research (ISI), the use of renewable energies in production plays a particularly important role here. Usage of such energy currently is still low but increasing more and more.

In addition, work is being done on other technologies that are more environmentally friendly. Currently, for example, there are some promising pilot projects for the use of combined lithium and sodium-ion battery systems for electric vehicles. These would be more resource-efficient because they do not require cobalt or nickel.

What is the impact of recycling processes?

With regard to a more sustainable use of raw materials in battery production, recycling processes are becoming increasingly important. Legal recycling quotas play a central role here. For example, since 2016, a minimum collection quota of 45 percent has already applied to the member states of the European Union for the recycling of lithium-ion batteries. However, the ISI still sees further potential for recycling the materials contained in the batteries.

The contribution that the automotive industry can have towards climate protection is therefore obvious: It is the further expansion of electromobility in combination with consistent application of circular economy methods. According to a study by the World Economic Forum (https://www3.weforum.org/docs/WEF_Raising_Ambitions_2020.pdf) and management consultants Accenture, this alone offers the potential to reduce CO2 emissions per passengers km by up to 75 percent by 2030.

Source : Chemical Market

MAIP GROUP ANNOUNCES NEW SUSTAINABLE POLYMERS FOR EUROPEAN AUTOMOTIVE MARKET USING EASTMAN'S MOLECULAR RECYCLING TECHNOLOGIES

TORINO, Italy, April 27, 2022 — As part of a multiyear strategic partnership with Eastman, Maip Group, a leading international plastics formulator and compound producer, announces innovative compounds for new resins in the automotive market. Maip Compounding, the group's manufacturing company, announces its Cherbio™ family based on Eastman's molecular recycling technologies.

Maip Compounding has released a new range of compounded polymers with ISCC Plus certification. The new Cherbio (Chemical recycling biobased) family will offer a range of aesthetic and functional products specifically formulated with a wide range of colors and special effects.

Cherbio T, based on Eastman's polyester renewal technology, provides up to 50% certified recycled content* from post-consumer and postindustrial waste streams. Unlike mechanically recycled plastics, it offers the same high performances as virgin plastics.

Cherbio C provides up to 48% biobased content from sustainably managed forests. In addition, Eastman's carbon renewal technology uses mixed waste plastics to provide an additional 20% to 40% certified recycled content,* offering a material that is both biobased and contains certified recycled content.

Eastman has announced multiple investments for material-to-material molecular recycling facilities to produce new sustainable materials. The first facility, in Kingsport, Tennessee, is expected to be mechanically complete in late 2022, and the second facility, located in France, is expected to be mechanically complete in 2025.

Eastman's proven molecular recycling technologies provide true circularity for hard-to-recycle plastic waste that is typically incinerated or sent to a landfill. With molecular recycling, this hard-to-recycle waste is broken down into its molecular building blocks and reassembled to become first-quality material without any compromise in performance. Eastman's polyester renewal technology enables the potentially infinite value of materials by keeping them in production life cycle after life cycle. With the technology's inherent efficiencies and the renewable energy sources available in France, materials can be produced with greenhouse gas emissions up to 80% less than traditional methods.

Source : Eastman

TORAY AWARDED ICHIMURA PRIZE IN INDUSTRY FOR EXCELLENT ACHIEVEMENT FOR DEVELOPING AND COMMERCIALIZING ANTI-THROMBOGENIC ARTIFICIAL KIDNEY

Tokyo, Japan, April 18, 2022 – Toray Industries, Inc., announced today that it has received the 54th annual Ichimura Prize in Industry for Excellent Achievement developing and commercializing an anti-thrombogenic artificial kidney. This coveted award is from the

Ichimura Foundation for New Technology.

Toray drew on its core nanotechnology and computational chemistry capabilities to create this artificial kidney, a polysulfone membrane, in response to a growing need to enhance anti-thrombogenic performance in line with dialysis treatment advances. Its technology helps improve the quality of life of patients with chronic and acute renal failure while reducing the workloads of medical professionals.

Toray looks to develop high value-added medical supplies that materialize its corporate philosophy of contributing to social progress by delivering new value while attaining sustainable growth.

Source : Toray

VICORE LAUNCHES COMPANION, A CLINICAL STUDY INVESTIGATING THE BENEFIT OF DIGITAL THERAPY ON ANXIETY IN PATIENTS WITH IDIOPATHIC PULMONARY FIBROSIS (IPF)

- First clinical study with a digital therapy (DTx) in patients with IPF to address the psychological symptom burden in this disease
- First patient enrolled in US pilot phase leading up to the US pivotal phase of the study with expected start in H2 2022
- DTx aims to form a part of a differentiated offering in rare lung disease

GOTHENBURG, Sweden, April 21, 2022 /PRNewswire/ -- Vicore Pharma Holding AB (publ) ("Vicore"), a clinical-stage pharmaceutical company, today announces the first patient enrolled in the pilot phase of COMPANION1, a clinical study of a digital cognitive behavioral therapy for patients with IPF.

Patients with IPF have a life expectancy of three to five years, during which dyspnea, fatigue and cough gradually worsen and in a preceding study, it was shown that 63% of IPF patients report a moderate to severe level of anxiety2. Cognitive behavioral therapy (CBT) is a well-established method to help patients with the psychological burden caused by severe disease and a digital CBT has the advantage of being accessible around-the-clock and can be personalized to meet the patient's needs.

COMPANION is a fully digitalized, randomized, controlled parallel-group clinical study to evaluate the impact of the digital therapy Almee™ on the psychological symptom burden in adults diagnosed with IPF. The COMPANION study consists of two phases; a pilot study designed to refine the interactive nature of the therapy session, followed by a pivotal study. The study will take place in the US and is expected to conclude in H1 2023, after which Vicore will seek FDA clearance for Almee™ as a medical device and is expected to be

made available to patients in 2024. Almee™ is developed in collaboration with Alex Therapeutics AB* and the COMPANION study is conducted using virtual clinical solutions developed by Curebase Inc*.

"We are very excited to have randomized our first patient in the pilot phase of the COMPANION study. This study will not only help to elucidate the effect of anxiety on IPF patients' quality of life, it will also explore the benefits of cutting edge digital treatment," says Professor Maureen Horton, principal investigator of COMPANION, Johns Hopkins University.

"Almee™ is an integral part of the Vicore development strategy for holistic and personalized treatment for rare lung disease and it addresses a clear unmet need in the IPF patient group. This decentralized clinical study also gives us an opportunity to rethink the traditional clinical trial model while keeping the patient in focus," says Jessica Shull, Director of Digital Therapeutics at Vicore.

Source : PRNewswire

SUMITOMO CHEMICAL ENTERS INTO EQUITY PARTICIPATION AND BUSINESS ALLIANCE AGREEMENT WITH MYORIDGE TO PROMOTE THE USE OF REGENERATIVE MEDICINE AND CELL

Sumitomo Chemical Co., Ltd. has signed an equity participation and business alliance agreement with Myoridge Co., Ltd., a startup company spun out from Kyoto University that has a wide range of cell culture technologies. Sumitomo Chemical will accelerate its efforts to promote the use of regenerative medicine and cell therapy, such as quality improvement and production cost reduction for cell products*, by bringing together the technologies and resources of both companies.

Cell products are used as regenerative medicine, cell therapy, and biopharmaceuticals, and the market has high growth potential. In addition, cell products are used for supporting the development of pharmaceuticals and agricultural chemicals, while cultured foods using cell products are expected to become a solution to the problem of food security.

The quality of cell products and the cost of culturing them, however, have posed a significant challenge to research and development and commercialization efforts. Myoridge possesses and has developed a wide range of cell culture-related technologies, including iPS cell differentiation and induction technology and its proprietary culture medium screening technology, and has contributed to solving various issues faced by companies that handle cell products.

The Sumitomo Chemical Group defines the regenerative medicine and cell therapy business as a promising area where the Group can leverage the fundamental cell culture-related technologies that it has cultivated through research and development of pharmaceuticals as well as safety testing for agricultural chemicals. In September 2020, Sumitomo Chemical and its subsidiary, Sumitomo Pharma Co., Ltd., established S-RACMO Co., Ltd., a joint venture company for contract development and manufacturing business in the field of regenerative medicine and cell therapy. S-RACMO started the operation of a manufacturing facility this February, and is stepping up efforts to expand its business. Sumitomo Chemical will further advance business development in the field of regenerative medicine and cell therapy through the alliance with Myoridge, while also working to explore new business opportunities by building an innovation ecosystem.

The Sumitomo Chemical Group has positioned "accelerating the development of next-generation businesses" as a pillar of the basic policy under its Corporate Business Plan for FY2022 to FY2024, and is striving to create new businesses in the four priority areas of environment, healthcare, food, and ICT. The Group will continue to work as one to develop innovative technologies and seize new business opportunities, and contribute to achieving a sustainable society.

Source : Sumitomo Chemical

EVONIK MAKES SOME OF WORLD'S CLEANEST CHEMICALS EVEN GREENER

- Strategy revealed to expand handprint, reduce footprint of hydrogen peroxide, peracetic acid, and persulfates
- Road map outlines milestones toward climate-neutral production across Active Oxygens business line
- Case studies showcase green potential of Active Oxygens products in diverse growth industries

Hanau, Germany. Evonik's Active Oxygens business line has released a new sustainability strategy today aimed at expanding the beneficial handprint and reducing the environmental footprint of hydrogen peroxide, peracetic acid, and persulfates. The strategy includes concrete steps to slash carbon emissions and increase resource efficiency in the production of these chemicals, with the goal of achieving climate neutrality across the business line by 2040. Active Oxygens also aims to promote these chemistries as environmentally friendly alternatives in diverse growth industries.

Hydrogen peroxide, peracetic acid, and persulfates are powerful oxidants with a broad array of sector applications. Because they break down quickly into harmless substances — mostly just oxygen and water — they are considered some of the cleanest chemicals available. Yet upstream, conventionally producing these versatile substances leaves a carbon footprint.

"Global demand for hydrogen peroxide is rising by seven to eight percent every year, driven by growth fields such as chemical synthesis, environmental applications, nutrition, and electronics," says Robert Katzer, head of Strategic Marketing for the Active Oxygens business line. "This makes it particularly urgent to reduce this product's environmental footprint. Fortunately, the technology is there, and we have a step-by-step plan to meet this rising demand in a clean, green manner."

One lever is through the use of renewables. By the end of 2021, over 80% of the electricity used at Active Oxygens' production facilities worldwide was already being drawn from renewable sources. This share is intended to exceed 90% in 2023. According to the strategy, new solutions will also be implemented for heat pumps and efficient energy reuse over the next ten years. The business line aims to operate its first fully climate-neutral production facility by 2032.

In addition, Active Oxygens is pursuing ambitious plans to switch fossil-based raw materials in its production processes to, for example, bio-based acetic acid and green hydrogen. Green hydrogen is created through water electrolysis powered by renewable electricity. The business line is currently exploring options to locally source sustainable hydrogen at each of its sites around the globe. The first plant is scheduled to begin utilizing green hydrogen in 2026, with the rest following soon thereafter.

On the customer side, using hydrogen peroxide, peracetic acid, and persulfates can contribute to greener industrial processes. "As the population grows, global megatrends such as urbanization are bringing about massive changes," explains Robert Katzer. "This is where our products can contribute to more sustainable solutions. For example, treating wastewater with hydrogen peroxide or peracetic acid results in far fewer residues in the environment than using other chemicals. It can save energy, too: Hydrogen peroxide can pre-treat industrial wastewater, oxidating non-biological contaminants that would otherwise need to be incinerated in an energy-intensive process. We are working together with customers across the world to implement and expand the use of these technologies."

Resource efficiency is also in focus for a further important use for hydrogen peroxide: chemical synthesis. Conventional production of propylene oxide and propylene glycol, for example, can create unnecessary by-products. By using hydrogen peroxide for the direct synthesis

of these in-demand products, Evonik Active Oxygens' proprietary technology offers an innovative, sustainable, and efficient alternative.

As a business line within Evonik's Smart Materials division, Active Oxygens' sustainability goals particularly support the division's "Eco Solutions" growth field. Eco Solutions are applications that save resources and enable environmentally friendly processes. Smart Materials aims to generate EUR 900 million in sales from Eco Solutions by 2027.

The new strategy also contributes to the Evonik group's sustainability approach overall. This approach is based on ambitious targets and key activities to translate them into measurable actions. Sustainability forms an integral part of the strategy and commercial activities of Evonik and all of its business lines, with the company systematically focusing on the impact of its activities along the entire value chain, based on the U.N. Sustainable Development Goals. Evonik is one of the leading companies in the chemical industry for sustainability, backed up by the results of important independent rating and ranking agencies such as MSCI, Sustainalytics, EcoVadis, and CDP.

Source : Evonik

SUMITOMO CHEMICAL AND PILOT TO JOINTLY DEVELOP NEW TECHNOLOGY FOR HORIZONTAL RECYCLING OF PLASTIC PRODUCTS WITH SPECIAL INK

Sumitomo Chemical Co., Ltd. and PILOT CORPORATION today announced that the companies will jointly develop new recycling technology for decolorizing printed layers of plastic packages and containers, which will enable horizontal recycling of plastic products—recycling used plastic products back to products used in similar applications.

Plastic is a useful material that supports people's daily lives and is used in various applications, such as automobiles, aircraft, electronic devices, and packages and containers. Meanwhile, as we work to create a circular economy, it is imperative to advance the development of plastic recycling technology that meets the needs of each application. In particular, most plastic packages and containers have printing on their surface, and when they are processed after use for material recycling*1, the ink colors remain, so it is difficult to recycle them back to a material of a sufficient quality level for the same application as the original product.

In this joint development, Sumitomo Chemical, leveraging the polymer design and processing technology it has cultivated, will work to develop a material recycling process that includes, as its core element, a melt kneading process to make ink decolored. PILOT will engage The Pilot Ink Co., Ltd., a subsidiary, to work on the development of a special ink suitable for that recycling process by utilizing the ink technology the group company has developed and owns. Through this collaboration, Sumitomo Chemical and PILOT aim to broaden the applications of recycled plastics and further enhance recycling of limited resources. The companies will also consider building a sorting and collection system for plastic packages and containers printed with special ink.

Sumitomo Chemical has defined contribution to reducing environmental impact as one of the material issues the Company addresses as management priorities. To meet this challenge, the Company is stepping up efforts to develop products and technologies for material recycling and for mono-material films*2, while also developing chemical recycling technology in collaboration with other companies and academic institutions.

PILOT has been working on the effective utilization of limited resources by promoting the reuse and recycling of products, with the aim of reducing environmental impact and creating a circular economy. The development of material recycling technology is part of that effort.

Through this joint development, Sumitomo Chemical and PILOT will contribute to reducing fossil resource usage, leakage of waste plastic into the environment, and the greenhouse gas emissions generated when waste plastics are incinerated and to creating a sustainable society.

Source : Sumitomo Chemical

NEW INSECTICIDE FROM BASF HELPS INDIAN FARMERS PROTECT CROPS FROM KEY INSECT PESTS

- Exponus® by BASF delivers powerful, quick & versatile control of toughest insect pests like Caterpillars & Thrips.
- Novel mode of action for effective & long duration protection in various largely cultivated crops under Oil seeds, Pulses & Vegetables segment.
- Expands the company's presence in insecticides market, delivering high-efficacy products that respond to farmers' needs.

Pune, India – April 16, 2022 – Farmers in India will be able to protect their crops and boost productivity with the launch of Exponus® insecticide today by BASF. The pioneering solution is powered by BASF's new active ingredient, Broflanilide® in a specialized formulation.

Offering a new mode of action for the control of key insect pests, Exponus® gives farmers a powerful, quick & versatile tool for controlling variety of insect pests and overcome resistance to prevailing chemistries, as part of integrated pest management program. Exponus® is registered for use on various largely cultivated crops under Oil seeds, Pulses & Vegetables segment to control critical insect pests such as Caterpillars & Thrips.

"Farmers in India will now benefit from our latest innovation in crop protection" said Narayan Krishnamohan, Managing Director, BASF India Limited. "Farming is the biggest job on earth. At BASF, we are dedicated to listening and working alongside farmers to understand their needs, so that we apply our expertise to help them successfully face the enormous challenge of protecting crops from pests and boosting productivity."

With its unique mode of action, Exponus® insecticide is among the first compounds in the market introduced under the new IRAC group 30 which represents a totally new class of insecticides (Group 30—meta-diamides and isoxazolines) which has no known cross-resistance with existing products in the market, making it a superior insecticide resistance management tool.

A valuable aspect of Exponus® insecticide is its ability to be effective on the toughest resistant insects by spreading and acting fast thereby resulting in quickly controlling of multiple insects in different crops at various stages.

"This innovation reaffirms BASF's commitment to help farmers across boundaries in managing a variety of existing & emerging pests with the lowest use rates compared to current standards. Using Exponus® will help Indian farmers for effective & long duration protection against insect pests in wide variety of crops."

said Rajendra Velagala, Business Director, Agricultural Solutions, South Asia, BASF.

"This milestone with Exponus supports our goal of developing an insecticide portfolio that helps farmers worldwide. BASF is committed to helping Indian industry and agriculture maximize their potential. Indian growers deserve access to the most advanced solutions to help them achieve better yields," said Avinash Deshmukh, Vice President, Agricultural Solutions - Asia Pacific.

Source : BASF

SABIC INTRODUCES MARKET SOLUTION FOR CONCRETE CEMENT QUALITY ENHANCEMENT

SABIC has introduced a new market solution, carbon black grade N330, for the Kingdom's building and construction industry to improve the quality of cast-in-place concrete structures that require an early drying process and provide extra strength.

Premium concrete hollow blocks manufactured with concrete mix produced from SABIC material provide better strength, reduce setting time and improve appearance. The solution showed a reduction in casting time by more than 40% and an increase in strength by 7%.

SABIC carbon black grade N330 provides superior performance when blended in specific proportion with concrete and mixed with other chemicals to suit the manufacturing of pre-

cast building blocks that meets the requirement of high compressive strength as per the standards set by Saudi Standards, Metrology and Quality Organization (SASO) and GCC Standardization Organization (GSO).

This new development has unlocked an opportunity to further improve SABIC carbon black offering to the industry.

Abdullah Shamroukh Al-Otaibi, General Manager Engineering Thermoplastics (ETP) & Market Solutions, emphasized SABIC's commitment to identify market needs and work closely with customers to offer new solutions and translate them into sustainable business opportunities.

Besides the newly developed application, the material can be used for property enhancements in many end-products. Successful commercial supplies to one of the major producers of concrete cement in Jeddah started in December 2021.

SABIC will offer this solution to other potential customers in the region looking for improvement in products and processes.

SABIC started marketing carbon black in 2016 produced in the Jubail Petrochemical Company (Kemya) plant, a SABIC and ExxonMobil joint venture. The plant has an installed capacity of 50000 MT. Manufacturing of high-quality hard carbon black grades is done under license from Continental Carbon, headquartered in Houston, Texas, USA, which is recognized as a leader in the development and manufacturing of carbon blacks used in tire, rubber, and other specialty applications.

Carbon black is a form of elemental carbon that is manufactured by the controlled vapor-phase pyrolysis and partial combustion of hydrocarbons. With the inherent advantage of feedstock availability, SABIC introduced five carbon black grades in ASTM 2 and 3 series (N220, N326, N330, N339 and N375) for the first time in GCC.

SABIC's high reinforcing grades are used by the rubber industry for various end-product applications like tires, molded rubber goods, conveyor belts, rubber sheeting and other industrial rubber products to enhance their durability. These Nano-particle grades with high tint strength have also found application in the plastic and master-batch industry where it is used as a UV protection and coloring agent for high quality and better life of plastic products.

Source : Sabic

TORAY LAUNCHES LIVMOA™ 4500AS DISPOSABLE PERSONAL PROTECTIVE CLOTHING CONFORMING WITH JAPANESE STANDARD FOR CHEMICAL SPRAY RESISTANCE

Tokyo, Japan, April 20, 2022 – Toray Industries, Inc., announced today that it has developed LIVMOA™ 4500AS disposable personal protective clothing. The new offering complies with the JIS T 8115 Type 4 standard for "Spray-tight" chemical protective clothing . It also offers excellent dust protection and breathability and outstanding water resistance from the addition of seam tape. The company will launch this product in Japan on May 9. It targets sales of 50,000 items this year and 500,000 items in 2025.

Toray developed the fabric for this product in 2021. It employs a highly durable SMS (spunbond + dense, water-resistant meltblown + spunbond) nonwoven, antistatic fabric. This fabric protects against dust and can withstand a water pressure of 1,000mm H2O (where the water pressure resistance at seams is less than 1,000 mm H2O), which is hard to achieve with regular SMS fabric. Toray believes that LIVMOA™ 4500AS is the world's first clothing to be Type 4-compliant while delivering an air permeability of around 7 cc/cm2 per second.

This new product can provide protection in a variety of tasks in which water resistance is vital. They include controlling dioxin levels at waste incineration facilities and performing major regular factory repairs. They also encompass work at chemical plants, maintenance, working in dirty areas, or removing asbestos Since debuting the LIVMOA™ series in 2017, Toray has broadened the lineup to cater to diverse applications, including dust protection, infection control, and clean rooms. It will keep developing offerings that combine comfort and functionality for various needs.

Key goals of Toray Group Sustainability Vision are to help enhance medical care and public health by leveraging innovative technologies and advanced materials. Toray will keep drawing on its advanced materials technologies to develop high-value-added materials that will contribute to the environment, health, safety, and disaster prevention. It will thereby realize its corporate philosophy of contributing to social progress by delivering new value while attaining sustainable growth.

Source : Toray

SEE, EXXONMOBIL, AND AHOLD DELHAIZE USA COLLABORATE ON GROUNDBREAKING CIRCULARITY INITIATIVE

CHARLOTTE, NC April 14, 2022 — SEE (NYSE: SEE), ExxonMobil, and Ahold Delhaize USA announced today their collaboration on an advanced recycling initiative, the first of its kind in the U.S. The project recycles flexible plastics from the food supply chain and remakes them into new, certified circular food-grade packaging. The initiative is expected to begin this summer and scale over time.

"We're proud to work with SEE and ExxonMobil on this collaboration, which has the potential to radically change the way retailers and manufacturers leverage food-grade recycled plastics as a key means of keeping plastics out of landfills," said Brittni Furrow, VP, Health & Sustainability, Ahold Delhaize USA. "We're eager to learn from this work and apply the learnings to advance our own plastics ambitions, but also advance these efforts broadly, helping to ensure a better tomorrow for our planet."

A critical challenge facing the food industry is driving a circular economy for plastics using packaging materials that have strict hygiene and performance requirements for food protection and distribution. Recovering these essential packaging materials requires innovative recycling solutions beyond traditional mechanical recycling.

The collaboration between SEE, ExxonMobil, and Ahold Delhaize USA will help increase the use of recycled content by validating the technical and economic viability of a certified circular system based on advanced recycling technology and mass balance attribution. Flexible plastics will be designed to be collected, recycled, and repurposed into new food packaging. The project will help keep used flexible plastics out of landfills, increase the number of times essential plastics can be recycled, and ensure the safety and quality of packaged foods.

"SEE is leading the packaging industry by showing how high-performance packaging materials can be designed to be remade. Advanced recycling is key to these valuable materials being collected and remanufactured," said Ted Doheny, SEE President and CEO. "Our collaboration with ExxonMobil is opening new recycling possibilities and by partnering with leading retail group Ahold Delhaize USA, we are paving the way for our industry to protect perishable foods while creating a low-carbon, circular economy."

"We are delighted to work with SEE and Ahold Delhaize USA on this important project," said David Hergenrether, Vice President, Polyethylene, ExxonMobil. "This relationship is an example of the value chain collaborations needed to enable a more circular economy. We are excited that certified circular plastics from our Exxtend™ technology for advanced recycling will play an important role."

Source : ExxonMobil

ARCHROMA AND STONY CREEK COLORS TO ENTER STRATEGIC PARTNERSHIP TO PRODUCE INDIGOLD™ HIGH-PERFORMANCE PLANT-BASED PRE-REDUCED INDIGO AT SCALE

Pratteln, Switzerland and Springfield, Tennessee, USA, 22 April 2022 - Archroma, a global leader in specialty chemicals towards sustainable solutions, and Stony Creek Colors ("Stony Creek"), a trusted manufacturer of traceable natural indigo dyes, today announced that they have entered a strategic partnership to produce and bring to the market Stony Creek's IndiGold™ high-performance plant-based pre-reduced indigo at scale.

Stony Creek extracts its dye from proprietary Indigofera plant varieties grown in partnership with family farms as a regenerative rotational crop
Stony Creek Colors developed the new IndiGold™ concept as the world's first pre-reduced natural indigo dye, which was then developed with Archroma to offer the first ever plant-based alternative to synthetic pre-reduced indigo. The dyestuff will be sold as a 20% concentration in a soluble liquid form that displays similar performance to comparable synthetic indigo products available on the market.

Stony Creek Colors evolved into an innovative leader in plant-based indigo due to its complete development of an improved agricultural value chain, from

seed breeding and production to biomass harvest and extraction. The company has been selling its US grown indigo to denim mills since 2015.

The pre-reduced plant-based indigo partnership took root in 2020 when Stony Creek was looking to work with like-minded partners to produce the new dyestuff at scale. Archroma emerged as the ideal partner as the company is well known for its expertise in indigo manufacturing and application, as well as for its commitment to transform the denim industry towards creating better blue jeans.

Archroma continuously introduces eco-advanced indigo innovation such as the first ever aniline-free* synthetic pre-reduced indigo or the Archroma x CleanKore technology for aniline-free* potassium permanganate-free* spray and laser booster for white abrasion.

Archroma immediately offered to support the idea of Stony Creek Colors with extensive pilot scale manufacturing trials and engaged with its network of denim machinery manufacturers to test the first samples in industrial conditions. The trials showed excellent coloration and the typical indigo wash down, as with synthetic indigo. Archroma will produce the first batches of IndiGold™ in Salvatierra, Mexico, and has other locations where the product could be made. The company will support Stony Creek Colors through its manufacturing and logistics capabilities, and its expertise in denim dyeing with customers using pre-reduced indigo.

While this development was underway, the global innovation platform Fashion for Good selected Stony Creek Colors as an innovator in its global Innovation Program. The program connects brands with innovators to work together to test, validate and ultimately scale disruptive innovations in the fashion industry to drive positive impact. Through the program, Fashion for Good facilitated a collaboration between brand partner Levi Strauss & Co. and Stony Creek Colors which was announced in December 2021. The partners will pilot the use of IndiGold™ in denim mills at scale, with the goal of unlocking key learnings around shade application and other efficiencies of this new dyestuff.

"For years our consistent powder and paste products have been able to fill a void in the marketplace for denim mills needing verifiable plant-based indigo. We, along with many in the industry, see IndiGold™ as the holy grail for indigo dyeing and are ecstatic to now be bringing it to life with such a reputable partner as Archroma. The coupling of our two technologies allows us to fulfill the ultimate desire from our customers for an easy-to-use, pre-reduced liquid formulation that stems from a 100% plant-based supply", said Sarah Bellos, CEO and Founder of Stony Creek Colors.

"I am very proud that Archroma supports Stony Creek's project. We shared the same vision that plant-based pre-reduced indigo can be scaled up and color the nature-friendly collections that denim brands & retailers have been dreaming of, and we are pleased to help bring it to the market," comments Heike van de Kerkhof, CEO of Archroma.

Source : Chemical Market

ACCULIN® AND ACCULINOL® ARE NOW AN INTEGRAL PART OF GULBRANDSEN'S SPECIALTY POLYMERS PORTFOLIO

The addition of ACCULIN® Polyethylene Waxes and ACCULINOL® Polyethylene Alcohols to Gulbrandsen's Specialty Polymer portfolio strongly reflects the company's long-term commitment to providing high-quality specialty polymer solutions to their customers throughout the world. ACCULIN® and ACCULINOL® will continue to be produced at Gulbrandsen's Mujpur (India) manufacturing site.

"For the past eight years, Gulbrandsen has been a premier manufacturer of specialty waxes and their derivatives for various applications such as expanded polystyrene, mold release agents, inks & coatings, personal care, and wax blends," said Patrick Lim (Global Business Director - Specialty Polymers).

He adds, "The recent addition of the ACCULIN® and ACCULINOL® brand names to our portfolio clearly reflects Gulbrandsen's relentless endeavor to deliver performance-driven solutions worldwide."

Source : PRNewwire

SASOL ECOFT AND SWEDEN'S UNIPER PARTNER TO PRODUCE SUSTAINABLE AVIATION FUEL THROUGH SKYFUELH2 (INTERNATIONAL NEWS/CHEMICAL TECHNOLOGY)

JOHANNESBURG, April 28, 2022 / PRNewswire/ -- Sasol ecoFT has signed a letter of intent with Sollefteå municipality in collaboration with Sweden's energy company Uniper, to investigate the possibility of establishing an industry-scale production facility for sustainable aviation fuel. Once built, this highly innovative industrial plant, will contribute to the decarbonisation of the aviation industry.

Taking place under the joint venture SkyFuelH2, the ambition is to produce sustainable aviation fuel based on green hydrogen and carbon from biomass using the Fischer-Tropsch process. The process is based on Sasol's world-class proprietary Fischer-Tropsch technology.

Långsele in Sollefteå is the natural site selection for SkyFuelH2, not least thanks to the municipality's ambitious growth targets and its supply of renewable electricity, carbon from biomass, and suitable land areas.

"We are excited to leverage our proven Fischer-Tropsch technology and 70 years of experience in running complex, integrated operations to produce and market fuels and chemicals. By applying green hydrogen and sustainable carbon sources as feedstock in our proprietary Power-to-Liquids (PtL) process, we can now produce sustainable fuels, thereby contributing to a thriving planet, our society and enterprises," said Fleetwood Grobler, President and CEO of Sasol Limited.

Swedish Minister for Business, Industry and Innovation Karl-Petter Thorwaldsson said SkyFuelH2 is crucial for the evolution of the aviation industry.

"The joint venture is a great example of how new technology can enable the green transition in the north of Sweden."

Source : PRNewswire

DOMO CHEMICALS INVESTS TO EXPAND PRODUCTION CAPACITY OF TECHNYL® POLYAMIDE IN CHINA TO MEET GROWING MARKET DEMAND

- The first year of TECHNYL® in China under the DOMO brand name; DOMO will be pushing forward its expansion plan of high-performance polyamides in China
- Continued innovation in engineered nylon materials for a sustainable future

Ghent, April 29, 2022 - DOMO Chemicals, a global leader in engineered materials, announced a long-term investment plan in China to continue expanding its production capacity of TECHNYL® high-performance polyamides. This plan aims to meet growing demand in the automotive, electrical & electronics, and industrial consumer goods industries, and help build a sustainable future. DOMO Chemicals acquired Solvay's Performance Polyamides business in 2020 and has sold the TECHNYL® products globally since February 1, 2022, including in China, one of the company's key strategic markets.

The global demand for polyamide materials is currently booming at a CAGR of up to 3 percent. The adoption of new energy vehicles (including pure electric, hybrid and fuel cell vehicles) is expected to reach 45 percent globally by 2030, and automakers are increasingly using sustainable materials to make components, which are key growth drivers of the polyamide market. In addition, the demand for miniaturized circuit breakers, contactors, plug switches, and other components in the electrical and electronics and industrial consumer goods industries further opens up the application potential for polyamide materials.

Investing more in expanding production capacity in China to meet increasing market demand

Asia is the fastest growing market for polyamides in the world, with the ma-

jority of that growth concentrated in China. As an integrated producer of PA 6/66, DOMO Chemicals is committed to improving and expanding its production facilities in China in order to increase capacity and establish a strong presence. This will help local manufacturers keep pace with emerging trends and create innovative, high-performance and sustainable products and applications. To this end, DOMO Chemicals will continue to expand the capacity of its production site in Jiaxing, Zhejiang Province, which has been planned to be gradually introduced in three stages:

- Since March 2022, an additional 6,000 tons of capacity has been made available, with the plant achieving the total capacity of 14,000 tons of PA6 from April onwards.
- A 35,000-ton new plant in Haiyan is planned to be completed in the third quarter of 2023, in which DOMO Chemicals has invested more than 14 million euros (97 million yuan).

- Going forward, DOMO Chemicals will further expand the plant, gradually increasing its capacity to 50,000 tons.

In addition to the expansion, the plant will also use renewable energy wherever possible, adopt advanced water and air treatment technologies to reduce water consumption and CO2 emissions, and fully comply with Health, Safety and Environmental Management System (HSE) regulations. DOMO Chemicals will improve HSE compliance continuously and work closely with the local government, while partnering with key local and global customers to accelerate innovation and development across a wide range of industries.

TECHNYL® has been committed to helping customers improve their low-carbon competitiveness since its very first year in China

Since its birth in 1953, TECHNYL® has offered a full range of solutions based on PA 6/66. With its excellent flame retardancy, high temperature resistance, chemical resistance, impact resistance and environmental friendliness, TECHNYL® allows OEMs and component makers in the automotive, electrical & electronics, and industrial consumer goods segments to create lightweight, durable, aesthetically pleasing, smart and environmentally-friendly products.

Fabrizio Cochi, Vice President Asian Operations :TECHNYL® is also celebrating its first year of growth in China as DOMO Chemicals officially launches the brand's global production and distribution network on February 1, 2022. Achieving the global rollout of TECHNYL® is a key milestone in DOMO Chemicals' sustainability strategy to help our local customers in China to achieve their low carbon goals and increase their competitive advantage in the face of accelerating sustainability trends."

The DOMAMID®, ECONAMID® and THERMEC™ engineered material solution brands are gradually being combined under the TECHNYL® brand to form a new TECHNYL® high-performance polyamide family. TECHNYL® 4 EARTH is an environmentally friendly product based on recyclable materials and certified for CO2 reduction. The new plant will be equipped with the capability of offering TECHNYL® 4 EARTH to our global and local customers. In addition, TECHNYL® PURE is an electrically neutral product for highly sensitive, high-purity electronic and fuel cell systems; and TECHNYL® SHAPE is an easy-to-process product specifically designed for extrusion and blow molding processes.

Meanwhile, what's worth noting is the DOMO Chemicals Application Center in Europe. Boasting strong material expertise, extensive application experience and a dedicated R&D team, the technical center is currently developing a steady stream of new products, applications and technologies, helping customers worldwide to accelerate product development and meet innovation challenges, which will further benefit customers in China.

Sustainability is deeply rooted in DOMO Chemicals vision and mission. By 2030, we are committing to a neutral CO2 emissions growth versus 2019, a 15% reduction in the carbon content of DOMO's energy mix and a 7% reduction of industrial waste. With the opening of the TECHNYL® global network and the orderly progress of the China expansion plan, DOMO Chemicals will rapidly cross the important milestone of achieving sustainability and contribute to DOMO's competency in building a sustainable supply chain.

Souce : Chemical Market

Continued from Page 28

of new plastics recycling technologies that meet six key principles for credible, safe and environmentally sound development. In support of this position paper, the Coalition has also published a new independent Life Cycle Assessment (LCA) study, that demonstrates that the chemical recycling of hard-to-recycle plastic waste could reduce the climate impact of plastic when compared to waste-to-energy incineration.

Guided by the global commitment led by the Ellen MacArthur Foundation, and in line with the newly announced UN Treaty on Plastic Pollution, the Coalition is committed to driving progress towards realising a circular economy. To this end, in 2021, the Coalition launched its full set of Golden Design Rules, for the design of plastic packaging. At the same time, members developed a framework for optimal Extended Producer Responsibility (EPR) programmes, as part of their engagement in advanced and transitional markets to increase recycling rates for packaging that cannot be reused. The Coalition is equally working to encourage recycling innovation to close the loop, including chemical recycling to complement the growing mechanical capacity.

To help to achieve this final aim, the Coalition has aligned on a common vision and set of principles for the safe scaling of pyrolysis-based chemical recycling, which the Coalition believes provides guidance for the positive development of the technology. The paper states that chemical recycling could increase packaging recycling rates which could enable recyclability targets to be met, more specifically for hard-to-recycle plastics, for example post-consumer flexible film. To ensure that chemical recycling is developed and operated under credible, credible, safe and environmentally sound conditions and to help encourage this, the paper outlines six key principles which relate to: the complementarity with mechanical recycling, material traceability, process yields and environmental impact, health and safety as well as claims.

Members of the CGF's Plastic Waste Coalition hope to play a role in making a positive case for a credible and safe chemical recycling system. The CGF members would welcome feedback and engagement on this study and its broader work within the Plastic Waste Coalition of Action.

Barry Parkin, Chief Sustainability Officer, Mars, Incorporated, said, "Chemical Recycling is a critical complement to Mechanical Recycling as it will allow large quantities of flexible packaging to be recycled into food grade packaging. This study demonstrates that chemical recycling has a significantly lower carbon footprint than the current end of life of flexible packaging."

Colin Kerr, Packaging Director, Unilever, said, "As we continue to reduce the use of virgin plastic, new technologies such as chemical recycling can help drive up recycling rates and increase the availability of food grade recycled materials. The principles and Life Cycle Assessment work from The Consumer Goods Forum is key to ensuring this can happen in a safe and environmentally sound way."

Llorenç Milà i Canals, PhD, Head of the Life Cycle Initiative Secretariat, United Nations Environmental Programme, said, "It is crucial to consider all potential environmental impacts across the life cycle of production and consumption systems when assessing technologies such as chemical recycling of plastics. A specific challenge with relatively new technologies is including the chemical composition of discharges, emissions and wastes from facilities, along with the need for additional pollution control equipment and management; these should form part of the assessment. Life Cycle Assessment is the standardised tool to do just that, assuring the necessary scrutiny by experts and interested parties; the Consumer Goods Forum has initiated a very useful process to shed light on many of these aspects in this report"

Sander Defruyt, Lead, New Plastics Economy, Ellen MacArthur Foundation, said "Recognising that reduction and reuse of packaging should be prioritised, and recognising the limitations of the technology, the paper puts forward the industries' position on what role Pyrolysis CR could play in the transition to a circular economy for plastics and what key principles and boundary conditions it should adhere to."

As part of the Coalition's work, an independent study to look specifically at the topic of climate change impact was commissioned. The study was carried out by environmental expert consultan-

VIEWS AND STATEMENTS

"Our latest product launches are a celebration of Dow's commitment to delivering groundbreaking technology for 125 years, while also addressing the need for distinct, eco-friendly beauty solutions in the personal care industry, we continue to be industry leaders in developing innovative ingredients backed by science that make a difference, while also connecting our consumers to the latest beauty and skin care formulations that encourage diversity and are safe for the planet."

- Verna Talcott, North America's Personal Care Regional Marketing Leader & Global Personal Care Digital Segment Leader at Dow.

"We are pleased to enter into this strategic alliance with Lotte Chemical, a major industrial player, to join forces and accelerate the development of the hydrogen sector in South Korea. Air Liquide is committed to actively contribute and invest across the entire hydrogen chain, from production to storage, as well as distribution and application developments for end usages. In line with its sustainability objectives, which include reaching carbon neutrality by 2050, Air Liquide's ambition is to contribute actively to the emergence of a low-carbon society."

-François Abrial, Member of the Air Liquide Group's Executive Committee supervising Asia Pacific

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"Our new SolvaLite® 714 Prepregs have been specially developed to ensure strong product robustness in large-scale industrial compression-molding processes and deliver high structural part performance," They are available in a wide range of unidirectional carbon fiber reinforced and woven-fabric formats."

- Greg Kelly, Product Manager Prepregs, Solvay Composites.

"Our collaboration with M2i is a strong example of our commitment to be the partner of choice for leading technology providers in the biologicals space. We are committed to driving sustainable agriculture practices and are excited to provide wine growers across different markets with a product that helps enhance the quality of grapes and fights against key vine pests."

- Corey Huck, Head of Global Biologicals at Syngenta Crop Protection, said,

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"I am pleased to discuss measures to create a circular economy for recycling waste tires in the country with Daeho Industries, the leading company for recapped tires in Korea," I hope that this business cooperation will serve as the chance to secure business opportunities for pyrolysis oil from waste tires and eco-friendly products. Also, I hope that we will contribute to accomplishing SK's goal of Net Zero."

- Hong Jeong-eui, Head of Net Zero Office, SK Energy.

VIEWS AND STATEMENTS

"The sustainable use of renewable resources and biotechnology has gained momentum in the industry and has the potential to help solve some of the most pressing challenges faced by society today, Through our new growth platform, we aim to connect with our partners to reinvent progress, as we have done throughout our 160-year history, playing a key role in the chemical industry's transition to the bioeconomy and helping to create the sustainable and circular solutions required by society."

- Solvay CEO Ilham Kadri.

"TNO has a strong dedication to tackle global warming. We need to speed-up, accelerate innovation and the deployment of new technology. In this Next Gen electrolysis Shared Research Program we make this possible by innovating together with the international leading industry. TNO really act as a catalyst bringing in-depth knowledge on electrolyser technology and skills in orchestrating innovation as an independent research institute."

- Richard Braal – Market director energy transition TNO

"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

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"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.

" We are excited to leverage our proven Fischer-Tropsch technology and 70 years of experience in running complex, integrated operations to produce and market fuels and chemicals. By applying green hydrogen and sustainable carbon sources as feedstock in our proprietary Power-to-Liquids (PtL) process, we can now produce sustainable fuels, thereby contributing to a thriving planet, our society and enterprises,"

- Fleetwood Grobler, President and CEO of Sasol Limited.

cy Sphera and peer-reviewed throughout the process by a panel of experts from the United Nations Environmental Programme, Northwestern University (USA), and Eunomia. The study provides a life cycle impact assessment, and compares conventional plastics produced from fossil and incinerated at end of life, with chemically-recycled plastic in a circular system.

Its findings demonstrate that chemical recycling of hard-to-recycle plastic waste could reduce the climate impact of plastic when compared to waste-to-energy incineration. Specifically, the life cycle GHG emissions of flexible consumer packaging made from plastic waste through pyrolysis-based chemical recycling and recycled at end of life is 43% lower than plastic films manufactured from fossil fuels and disposed through incineration at end of life.

Source : PRNewswire

Indias Cosmo Speciality Chemicals Launches Eco-Friendly Wetofast Range For All Kinds Of Textile

New Delhi, 21 April 2022: Cosmo Speciality Chemicals, a 100% subsidiary of Cosmo Films Ltd. announces the launch of **Wetofast range – a completely eco-friendly solution to maintain high quality of fabrics.** The range introduces three new products - Wetofast GN, a pretreatment of all fibers, Wetofast LOR which helps to remove oils, waxes and greasy impurities effectively, and Wetofast LD which confirms high absorbency to textile goods after bleaching process. These products are APEO and NPEO free, and will be available across Indian/global market.

Wetofast GN is a non- ionic agent which can be used for pre-treatment of all fibers but particularly for natural and regenerated cellulosic, wool, and synthetic fibers and their blends. With very good wetting and emulsion properties, it poses a very good stability to alkali, acids and enzymes. Being good resistant to oxidative and reductive agents, it can be diluted in cold as well as warm water. 1.0-1.5% dose for exhaust application is recommended for Wetofast GN. The product is APEO and NPEO free.

Wetofast LOR is an agent with excellent emulsification power which helps to remove oils, waxes and greasy impurities effectively. Especially suitable for Lycra blended fabric to emulsify the oil and ease of extraction, it confirms high rewetting property to textile goods after bleaching process. Free from enzyme poison, it's an APEO and NPEO free product and is exclusively recommended for continuous process where quick wetting is required to get sufficient pick-up for heavy gsm fabrics like twills. 0.5-1.0% dose for exhaust and 2-5g/l for continuous application are the recommended dosages for Wetofast LOR.

Wetofast LD is a wetting agent which confirms high absorbency to textile goods after bleaching process and is suitable for all types of fabrics. It helps in removing oils and waxes effectively. With good soil suspending properties the agent is an APEO and NPEO free product. Being good resistant to oxidative and reductive agents, it is free from enzyme poison and posses a good stability to alkali and acids. 0.7-1.0% dose for exhaust application is recommended for Wetofast LD.

On the introduction of three new products, Mr. Anil Gaikwad, Business Head, Cosmo Specialty Chemicals said, "With an aim to constantly innovate for a better & safer tomorrow, we are thrilled to announce three new eco-friendly products under the Wetofast range. From Pre-wash to wash and conditioning post-wash, our R&D team has specially equipped the products with properties to maintain good quality and ensure extended span of usage for all kinds of textile."

Backed up by technical know-how and long-term experience in textile processing, formulations of anionic, cationic, non-ionic, and amphoteric surfactants, Cosmo Speciality Chemicals have a unique and strong experience in Speciality textile chemicals. The R & D facility is equipped with sophisticated analytical instrumentations including SEM-EDS, TGA-MS, DMA, FTIR & imaging IR, DSC & optical microscope, etc. which helps the company develop products at a molecular level.

Source : Chemical Market

ENTEK Announces Absorptive Glass Mat (AGM) Separator Production Expansion to India and the US

LEBANON, Ore., April 20, 2022 / PRNewswire/ -- Today, ENTEK announced strategic investments to expand the company's global manufacturing footprint of Absorbent Glass Mat (AGM) separator materials into the United States and India to serve the expanding demand for energy storage solutions for inverters, industrial applications and electric vehicles (EVs). ENTEK is actively engaged in site selection in India and the US for the development of fully integrated AGM production plants, including both fiber production and paper lines. ENTEK will be the first producer of glass fiber for AGM in India, ensuring control over quality, cost and security of supply to provide a strong value proposition for customers.

"ENTEK is committed to producing high quality AGM in India and the US to serve the growing need for this product in energy storage solutions for our changing world. Our outstanding team in Japan has a long history and wealth of experience producing high-performance AGM products for some of the most demanding customers in the world. That technical expertise, together with our equipment manufacturing capabilities, provides the core competencies to successfully scale local production to serve the growing markets in India and the US," said Larry Keith, CEO of ENTEK.

ENTEK is the only separator manufacturer in the world producing all three primary separator technologies (PE, AGM, and lithium separators). It is well positioned to leverage this broad portfolio of products to energy storage applications globally, including both internal combustion and electric vehicles.

Increasing vehicle power demands and the growth of EV production resulting from consumer demand, stricter emissions regulations, comfort and convenience features, and safety requirements is driving an evolution from standard flooded batteries to advanced battery types such as EFB and AGM. In India, in addition to transportation, there is rapid growth in industrial, telecom, and inverter battery demand requiring AGM. This outsized growth opportunity in advanced batteries for automotive, coupled with a significant AGM market opportunity for industrial and telecom batteries globally, presents a scalable long-term growth opportunity for ENTEK.

Source : PRNewswire

Be A Beauty Wizard Rediscover The Powers Of Nature With Clariant Natural Ingredients

- Two new rituals shifting beauty habits towards slow well-being practices
- Nature-based products & traditional beauty rituals come together
- Playful textures & mindful packaging for a new generation of Beauty Wizards

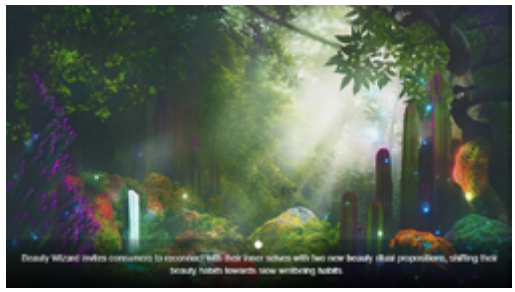
MUTTENZ, April 12, 2022 - Beauty Wizard rituals from Clariant Active Ingredients. Highly-effective nature-based cosmetic ingredients and traditional activities combine in two new propositions to encourage slow wellbeing habits amid skyrocketing stress levels.

"As beauty care becomes a major tool in fighting modern stress, we've been inspired to create rituals that would help formulators and brands appeal to the newfound consumer focus on rediscovering and reconnecting with nature, plant remedies, and revering ancient spirituality knowledge as a way to seek emotional balance and sustain mental wellbeing. Beauty Wizard captures all these elements in beauty products with playful textures and mindful packaging. It invites consumers to slow down and find magic in relaxing, authentic experiences," comments Charlotte Stricane, Technical Marketing Specialist Clariant Natural Ingredients.

Beauty Wizard features new sustainably sourced, 100% plant-derived nat-

ural actives with particularly effective stress-fighting properties – Prunizen™ and Galactinol Advanced. Their efficacy provides a powerful basis from which to bring in entrancing sensorial experiences to help consumers reconnect with and soothe their inner self. Two inspirational new rituals demonstrate the potential to bring all this together in everyday creams and potions.

Scalpific relaxing massage: what is more exhilarating than bubbles? Take a few beads in the palm of your hand and gently crush them into a scalp massage potion that will simulate the sensations of an ASMR[1] experience. Relax and enjoy the stress-reducing benefits of Prunizen (adaptogenic-like plants). Coming from Asian traditions, it helps to tackle cortisol damages on hair follicle and boost scalp's overall health, while your scalp's cells are being resynchronized by B-Circadin® (a third plant) to boost their resilience. Refreshed and revitalized, a new day can start.



Forest therapy essence: if you can't go to the forest, the forest shall come to you. Packed with some of the best extracts and oils the forest has to offer, this skin serum can be applied from the dropper or can be used to infuse a renewable sheet mask. Inspired by ancient Americas' civilizations, it protects the skin from the harsh environment using substances found in Galactinol Advanced, inspired by "resurrection plants" and developed by biomimetics through white biotechnology. It also invigorates the skin barrier with Ethience® Protect, a co-product from the Brazil Nut tree – the Queen of the Amazon, while smoothing the worry wrinkles away thanks to Prenylium®, an innovative tree root extract harvested without harming the venerable plant.

Last but not least, the serum features Plantasens® Olive Squalane, derived from the olive oil production waste stream, and Beraca's Passion Fruit oil fairly sourced from Amazonian communities. Both bring a silk-like after-feel to this feel-good formulation.

Source : Chemical Market

Seeking Sustainable Skin Care Using Microalgae, DIC Corporation Signs Second JDA to Leverage Biotech Startup Checkerspot Inc.'s WING™ Platform

Tokyo, Japan— DIC Corporation has signed its second Joint Development Agreement (JDA) with Checkerspot Inc. The new JDA is focused on engineering new ingredient systems targeting more sustainable skin care and other personal care applications, derived from microalgae using Checkerspot's innovative WING™ Platform.

The newest JDA between DIC Corporation—a multinational leader in fine chemicals and materials development—and Checkerspot, Inc.—a materials innovation company—is the second between the two companies.Their first JDA, signed in 2018, formed the basis for the successful development of a new class of novel, high-performance polyol, currently being developed into commercial applications.

This JDA brings together collective DIC and Checkerspot expertise in microalgae cultivation technology to unlock performance ingredients for skin care and other personal care applications. DIC Corporation has a long, distinguished history of commercializing performance materials and ingredients across multiple industries. Capitalizing on its unique knowledge of Spirulina and SACRAN™ extracted from Suizenji-nori blue-green algae, DIC is now expanding that expertise to the personal care industry.

Checkerspot material science engineering technologists are leading the way in microalgae research, developing unique materials that visibly hydrate and nourish the skin, and learning how microalgae protect themselves in some of the Earth's most extreme environments. Checkerspot is now applying those lessons to personal care product development.

DIC and Checkerspot share the deep conviction that microalgae can offer a range of high-performance ingredients for the personal care industry, which is estimated to be valued over $261B USD of annual revenue.

DIC Corporation New Business Development Headquarters Managing Executive Officer Kiyofumi Takano said, "We look forward to working with our partners at Checkerspot once again, to bring novel performance to a new arena in personal care. We greatly appreciate the ability to rapidly prototype and engage customers directly through Checkerspot's knowledge ofpersonal care products. DIC seeks to develop best-in-class sustainable materials and innovation for the products that we make and the industries that we serve. We believe that microalgae derived ingredients in skin care represent the future of performance and sustainability in personal care".

Checkerspot Co-founder and CEO Charles Dimmler said, "We're excited to embark on this journey with our long-standing partner, DIC. We've long known of the potential benefits of microalgae ingredients for skin care, and we look forward to using the WING™ Platform to create new ingredient systems to further unlock their performance potential".

Checkerspot's WING™ Platform is a veritable collaboration engine designed to facilitate work with innovators and companies to develop performance materials and products that move us to a healthier, post petroleum future and make everyday life better. The WING™ Platform consists of four pillars - from the molecular foundry, to materials science, to fabrication and ending with consumer engagement. The result is a vertically and tightly integrated approach to applications and product development.

Source : DIC Corporation

Sabic Launches New LNP™ Compound Offering Easy Plating With LDS, Warpage Control and Good RF Performance for 5G Dipole Antennas

SABIC, a global leader in the chemical industry, introduced LNP™ THERMOCOMP™ OFC08V compound, a material well suited for 5G base station dipole antennas and other electrical/electronic applications. This new compound can help the industry develop lightweight, cost-effective, all-plastic antenna designs that facilitate deployment of 5G infrastructure. In an era of increasing urbanization and smart cities, broad availability of 5G networking is urgently needed to provide fast, reliable connectivity for millions of residents.

"To help achieve 5G's promise of faster speeds, increased data loads and ultra-low latency, RF antenna manufacturers are revolutionizing their designs, materials and processes," said Joshua Chiaw, Director, Business Management, LNP & NORYL, Specialties, SABIC. "We are helping our customers simplify the production of RF antennas, which are used by the hundreds in arrays within active antenna units. Our latest high-performance LNP THERMOCOMP compound not only helps streamline manufacturing by avoiding post processing, but it can also deliver exceptional performance across multiple, critical areas. By continually developing new materials for 5G infrastructure, SABIC aims to accelerate expansion of this next-generation networking technology."

LNP THERMOCOMP OFC08V compound is a glass fiber-reinforced material based on polyphenylene sulfide (PPS) resin. It features excellent plating performance using laser direct structuring (LDS), strong layer adhesion, good warpage control, high heat resistance, and stable dielectric and radio frequency (RF) performance. This unique combination of properties could enable an injection moldable new dipole antenna design, offering advantages over traditional printed circuit board (PCB) assembly and the selective electroplating of plastic.

Across-the-Board Performance Benefits

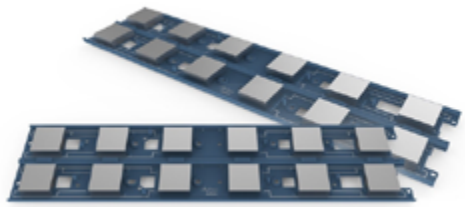
The new LNP THERMOCOMP OFC08V compound is formulated for potential use in metal plating using LDS. The material offers a wide laser processing window and both ease of plating and uniformity in plating line width to help ensure stable and consistent antenna performance. Strong adhesion between

the plastic and metal layers avoids delamination, even following thermal aging and lead-free reflow soldering. Improved dimensional stability and lower warpage compared to competitive glass-reinforced PPS grades help achieve smooth fixation of the metal plating during LDS, as well as accurate assembly.

Thanks to these attributes, LNP THERMOCOMP OFC08V compound has been listed by LPKF Laser & Electronics, a German provider of laser manufacturing solutions, as an approved thermoplastic for LDS with the company's systems.

"All-plastic dipole antennas made with glass-reinforced PPS are replacing traditional designs because they can reduce weight, simplify assembly and deliver higher plating uniformity," said Jenny Wang, Director, Formulation and Application, APAC, Specialties, SABIC. "However, conventional PPS materials need a complex metallization process. To address this challenge, SABIC developed a new, specialized PPS-based compound with LDS capability and high-strength bonding."

Compared to the current complex selective electroplating of plastic, which is a widely used process involving multiple steps, LDS-enabled LNP THERMOCOMP OFC08V compound offers greater simplicity and higher productivity. After injection molding of the part, LDS only requires laser structuring and chemical plating. In addition, the new LNP THERMOCOMP OFC08V compound delivers all the performance benefits of glass-filled PPS, including high heat resistance for PCB assembly using surface mount technology, and inherent flame retardancy (UL-94 V0 at 0.8 mm). Low dielectric values (dielectric constant: 4.0; dissipation factor: 0.0045) and stable dielectric performance, together with good RF performance under harsh conditions, help optimize transmission and extend useful life.



"The availability of this advanced LNP THERMOCOMP OFC08V compound can contribute to improved antenna designs and consistent performance in the field, simplify the metallization process and lower system costs for our customers," Wang added.

Sourch : Sabic

Vipul Organics Gets Eco Passport Certification

Vipul Organics Limited, a leading specialty chemicals company in the pigments and dyes segment, has bagged 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 clients can see the transparent proof of that with the Eco Passport," says Mihir V Shah, Executive Director, Vipul Organics Limited. He adds, "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".

The Eco Passport by OEKO TEX is a definitive independent certification system that is especially designed for manufacturers of pro-

cess 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 : Vipul Organics

Sanitized Ag Launches A New Biocide-Free Product For Durable Odor-Free Textiles Ideal For All Application Processes

Burgdorf/CH, 3 May 2022: SANITIZED AG, the specialist for hygiene function in textiles, is expanding its Sanitized® Odorex™ portfolio for odor-neutralizing technologies. The new OX20 product is usable on cotton, viscose, or synthetic fibers. It does not contain any biocides, it is highly wash-resistant, and it can be combined well with other effects.

Early on, SANITIZED identified the market need for textiles with an odor-neutralizing effect. Sanitized® Odorex™ is the product of several years of experience with environmentally friendly textile treatments. SANITIZED focuses heavily on the causes of, the production of, and the fighting of unpleasant sweat odor in textiles. The basis for the newly introduced biocide-free OX20 product is a metal-free polymer that neutralizes odors. It meets market requirements regarding wash-resistance with excellent results after up to 50 household washes. "We are convinced that biocide-free solutions that fight sweat odor are on their way to becoming the new market standard. And this fact mainly applies to outdoor, sports, and workwear," remarks Urs Zihlmann, Product Manager of Textile Additives at SANITIZED AG.

Versatile and highly cost-efficient

The new product can be applied in extraction, pad, and spray. It can be used on all common substrates and is compatible with other textile effects. These properties increase the flexibility and efficiency during product design, and they reduce production costs. As the first such technology worldwide, OX20 can be applied to synthetics in the dye bath.

Feel and wearing comfort

Binders and particle systems negatively affect the textile's feel and moisture management. OX20 is a particle-free product with a long-lasting effect that does not change how the textile feels, nor does it affect the textile's moisture management.

"Sanitized® Odorex™ is the technology of the future that makes odor-free textile products a reality. It meets industry standards as well as consumer standards regarding durability and sustainability," explains Zihlmann. "Since it is a biocide-free system, OX20 is not subject to any regulatory restrictions. The textile industry greatly appreciates this property," he adds.

Source : Chemical Market

Price as on April 30, 2022

Name of Chemicals	Pack (Kgs.)	Price	Change (Rs./Kg)
INORGANIC CHEMICALS			
Ammonium Bicarbonate		60	
Ammonium Carbonate		55	
Ammonium Nitrate		65	
Borax (Granular)	50	48	
Borax (Powder)	50	42	
Bromine Liquid	50	265	
Calcium Carbonate(Activated)	50	50	
Calcium Carbonate (Precipitated)	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)
ORGANIC CHEMICALS			
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	
PolyethyleneGlycol(PEG 200)	230	93	
PolyethyleneGlycol(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	

Illuminate Eye Contours With New Clariant Active Rootness® Awake From Soil-Free Cultivated Plant Power

- Premium root-powered extract: highly-concentrated; responsibly obtained from roots of aeroponically grown sweet potato plants; full traceability from the seed to the active ingredient
- Science-backed efficacy in smoothing out dark circles & lightening eye contour
- Debut at NYSCC Suppliers' Day 2022, Booth 803, May 3-4, 2022, New York, NY, USA

MUTTENZ, May 3, 2022 - Reduce dark circles and under-eye bag formation with the help of the latest Premium Root Power skincare active from Clariant Natural Ingredients. Launched today, Rootness Awake is an enriched extract of inflammation-fighting compounds obtained from sustainably-grown Ipomoea batatas (sweet potato) roots. It offers science-backed efficacy in reducing discoloration and ensuring firmness, promoting a revitalized more youthful eye contour.

The eye contour area is one of the first places where signs of fatigue and aging appear. The skin here is exceptionally thin which means the bluish-red hue of the vascular network is easy to see. Low contents of collagen and elastic fibers also make the area more sensitive to shadowing due to skin laxity and sagging. Inflammation in cells caused by pollution and UV radiation, stress, chronic lack of sleep, and an unhealthy lifestyle is known to exacerbate disruption to this area and the visible effects.

"Dark circles and puffiness accentuate a tired appearance and are common beauty concerns regardless of gender and age," comments Julie Droux, Senior Technical Marketing Specialist, Clariant Natural Ingredients. "Plant Milking Technology has enabled us to use an eco-friendly process to discover active molecules with potent properties in sweet potato roots, and to create an enriched extract with high efficacy in tackling many of the biological pathways responsible for alteration of the eye contour. Rootness Awake gives formulators new, unique opportunities to develop effective targeted care and eye contour products that contribute to progressing sustainability in skincare."

Rootness Awake counters the fragility of the eye contour by focusing on key aspects: decreasing the release of inflammatory mediators, helping reduce the microvascular network, and ensuring skin thickness, integrity and firmness are strengthened. All of these combine to reduce under-eye pigmentation and edema (fluid build-up). It achieves this as a result of the high concentration of active compounds Dicaffeoylquinate esters (DCQE).

The extract's activity is demonstrated in in vitro, ex vivo and also clinical evaluations. In tests over 28 days on women aged 18-35 years showing constant signs of fatigue, Rootness Awake is shown to improve and smooth out dark circles, reduce puffiness, and strengthen eye contour stiffness. The overall result is a lightened, more "awake" eye contour.

Through Rootness Awake, formulators and brands have the assurance of an active based on valuable plant compounds that could not be economically extracted from traditionally cultivated plants. Plant Milking Technology respects biodiversity and the environment by focusing on soilless aeroponic cultivation, which is non-destructive to plants and which has multiple benefits compared to conventional methods in relation to land use, water use, and maximizing harvests. Plant cultivation and production of the active take place at the same location, enabling 100% traceability from seed to active ingredient.

Source : Chemical Market

Jubilant Ingrevia Limited Commissions New Green Ethanol Based Acetic Acid Plant

Offering first of its kind product, manufactured from Green Ethanol

To be supplied worldwide with existing global supply chain infrastructure

Noida, Uttar Pradesh, April 28, 2022: Jubilant Ingrevia Limited announces the commissioning of its new Green Ethanol-based food-grade Acetic Acid plant at its manufacturing facility in Gajraula, Uttar Pradesh. The plant is designed to meet the highest standards of product certifications like FSSAI, ISO 22000, Kosher, Halal, FCC Codex, etc. It will cater to the increasing demand in food preservative segment across the globe.

The food-grade Acetic Acid plant commissioned on 28th April, 2022, has a rated capacity of 25,000 Tons Per Annum. The product will be manufactured from Green Ethanol which is produced from natural bio-based feedstock. This food-grade Acetic Acid is in high demand globally. It will provide a healthier option for food preservation requirements, as compared to the Acetic Acid produced through petroleum route.

On this occasion, Mr. Rajesh Srivastava, Chief Executive Officer and Managing Director, Jubilant Ingrevia Limited shared, "With the commissioning of this food-grade Acetic Acid plant, produced from renewable feed stock based Green Ethanol, we are pleased to share that we continue on our path of successfully executing our planned growth CAPEX. As per our growth plans, we continue to make investments in niche products which are used for specialised usage globally. We are confident of achieving the superior growth path charted for the Company."

Source : Chemical Market

BASF and SINOPEC break ground for the expansion of the Joint Verbund Site in Nanjing, China

- The expanded and new plants start-up by the end of 2023
- Supporting the growing demand in the Chinese market

Nanjing, China – April 28, 2022 – BASF and SINOPEC today broke ground for the expansion of their Verbund site operated by BASF-YPC Co., Ltd. (BASF-YPC), a 50-50 joint venture of both companies in Nanjing. The expansion includes new capacities of several downstream chemical plants and a new tert-butyl acrylate plant, to serve the growing demand from various industries in the Chinese market.

"BASF-YPC is one of the most successful joint ventures for BASF globally with outstanding safety and business performances," said Dr. Markus Kamieth, Member of the Board of Executive Directors, BASF SE. "It owes to the trusted partnership between BASF and SINOPEC for more than two decades, which is being further strengthened by this expansion."

"The success of BASF-YPC in the past years well reflected the good cooperation of SINOPEC and BASF, "said Baocai Yu, President of SINOPEC Corp. "The expansion will enable the company to increase the capacity and portfolio of high-end chemicals, further enhancing competitiveness of the joint venture."

The partners will expand the production capacities of propionic acid, propionic aldehyde, ethyleneamines, ethanolamines and purified ethylene oxide, and build a new tert-butyl acrylate plant. The tert-butyl acrylate plant will be an extension to the downstream using acrylic acid and isobutene of the existing Verbund as feedstock, which marks the first time this advanced production

PRODUCT LIST

Product List

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S

Salt Free Dyes
Mavani Chemicals Pvt. Ltd. Pg 13
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Chemilife Enterprises Pg 8
Sodium Acid Pyro Phosphate
KRISHNA SOLVECHEM LTD. Pg 7
Sodium Benzoate
KRISHNA SOLVECHEM LTD. Pg 7
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Yellow RL Base
Mavani Chemicals Pvt. Ltd. Pg 13

Toilet To Tap—How Are We Able To Safely Drink Water Weve Flushed Video

WASHINGTON, April 25, 2022 — In areas where water is scarce, reusing wastewater is one way to increase the supply. But to do that safely, water has to undergo lots of cleaning procedures, including some new innovations using edible materials like okra! In this video, we'll walk through how humans have cleaned water over centuries, and how we've managed to get so good at it that we can turn wastewater into a refreshing drink again! https://youtu.be/X9f-AoyjjX6M

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 periodical 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

technology is applied outside of Germany. The expanded and new plants are planned to come on stream by the end of 2023.

"We will deploy the state-of-the-art technologies to build the new facilities at the BASF-YPC, which allows us to gain competitive edge in the dynamic Chinese market," said Dr. Jeffrey Lou, President and Chairman Greater China, BASF. "More importantly, it strongly demonstrates the joint commitments by BASF and SINOPEC to promote sustainable development in China's chemical industry."

"The domestic petrochemical industry is in high-quality development. With the support of all involved parties, we will implement the expansion project on the first-class standards," said Yuefeng Gu, Chairman of Sinopec Yangzi Petrochemical Company Limited and BASF-YPC Company Limited. "The advanced modern petrochemical site will promote the transformation and upgrading of the petrochemical industry and make greater contributions to local economic and sustainable development."

Propionic acid (PA) is used as a mold inhibitor for the preservation of food and feed grains. It offers strong economic and ecological benefits over preservation through drying or storage in air-tight silos. It is also used in the production of pharmaceuticals, crop protection agents and solvents.

Ethyleneamines (EEA) and Ethanolamines (EOA) are intermediates used in the manufacture of crop protection agents, surfactants for personal and home care products, process chemicals for gas treatment, lubricants and cement additives, paper chemicals, and active pharmaceutical ingredients.

Propionic aldehyde (PALD) is an intermediate used as key raw material for propionic acid and n-propanol production. It is mainly used in the manufacture of pharmaceuticals, insecticides, fragrances and plastics.

Purified ethylene oxide (PEO) is a raw material for industrial applications and is often used in synthesis processes of chemical industry. It is used in the manufacturing of ethanolamines, glycol ethers and surfactants for washing and cleaning agents.

Tert-butyl acrylate (TBA) is an acrylic acid ester for manufacturing polymers and is used as a feedstock for syntheses. As a specialty chemical it is used in paper sizing and emulsion applications.

Source : BASF

Dow Leads the Way to More Sustainable Footwear with ENGAGE™ REN Plant-Based High Performing Polyolefin Elastomers

HORGEN, Switzerland – May 3, 2022 –Dow has announced the launch of ENGAGE™ REN, an innovative and more sustainable brand extension to the ENGAGE™ range of high-performing polyolefin elastomers (POEs). The new brand enabled by Dow's ECOLIBRIUM technology, will help the footwear industry to unlock a lower carbon footprint and develop more sustainable products which offer the same high-performance results.

Some of the key benefits that ENGAGE™ REN will offer manufacturers in the footwear industry include:

- Improved foam quality and polymer consistency
- Better resilience
- Lighter foams with equivalent hardness
- Improved abrasion resistance and durability.

When used alongside other recycled materials, brands will be able to offer a more complete sustainable footwear option to their customers. Soon, these products will be available to sustainability-conscious consumers thanks to Dow's collaboration with footwear brand, Crocs. Dow has begun supplying plant-based polymers for use in Crocs' manufacturing process of its proprietary Croslite™ material, which have an even lower CO2 impact than their current material. The company will take a mass balance approach to scaling the percentage of plant-based polymers into its footwear over time. Crocs is the first footwear brand to go-to-market with this new material technology.

Sustainably sourced bio-feedstock

ENGAGE™ REN polyolefin elastomers (POEs) are produced using renewable

EVENTS AND CONFERENCES

CPHI CHINA - VIRTUAL CPHI

Date: June 21-23, 2022
City: SNIEC, Shanghai
Country: China
Website: https://www.cphi.com/cphi/china

Description: CPhI & P-MEC China, the international meeting place for the global pharma industry, is your gateway to successfully grow your business in Asia. Whether you are looking for sourcing new business or getting the latest market insight, this is your one-stop-shop to the entire pharma supply chain!

With travel restrictions still in place we understand that not everyone can travel to the in-person event in Shanghai. That's why we've made it easier for the global pharma industry to connect, learn and trade with our SMART event format combining the in-person show with its online content and networking features. Participate from anywhere in the world and join us online

MIDDLE EAST COATINGS SHOW

Date: June 14-16, 2022
City: Dubai World Trade Centre
Country: Dubai
Website: https://www.middleeastcoatingsshow.com/

Description: With more than 29 years in the industry, the Middle East Coatings Show has established itself as the only trade event dedicated to the coatings industry in the Middle East. For three days, the trade exhibition 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 Middle East.

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

EXPO PAINT AND COATINGS

Date: July 28 -30, 2022
City: Pragati Maidan, New Delhi
Country: India
Website: https://www.cantonfair.net/event/7289-expo-paint-and-coatings

Description: Expo Paint & Coatings 2022 is a comprehensive Paint & Coatings Exhibition providing platform to the needs of every facade of the coating industry right from raw materials, formulation, application, technology, finishing, quality assurance, recycling and disposal. The Exhibition will feature a wide range display of products, Raw Materials, Application systems, Machines, Tools, current trends, development & innovations shaping future of coating industry. Expo Paint & Coatings 2022 will bring together leading local and international manufacturers, formulators, buyers, industry professionals, consultants, enthusiasts and prospective entrants from the Paint & Coatings, surface finishing & allied industry presenting unrivaled opportunities to network, exchange best practices, do business, unveil new products and source cutting-edge products, technologies and solutions.

DYE+CHEM BANGLADESH INTERNATIONAL EXPO

Date: Aug 31- Sept 3, 2022
City: International Convention City Bashundhara (ICCB), Dhaka
Country: Bangladesh
Website: https://10times.com/dye-chem-bangladesh

Description: Dye+Chem Bangladesh, a high profile event dealing with studies related to fabric & yarn synthesis and yarn spinning, gives a quality stage for research and analysis of the same. This event exhibits products from Chemicals & Dyes, Textile to Fabrics & Yarns by giving much needed emphasis on Environment & Waste Management industries. Your ONLY exclusive Gateway to the All Kinds of Dyes and Fine & Specialty Chemicals sector of Bangladesh and a perfect B2B exhibition for the entire Dyes & Chemical sector of Bangladesh.

Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers.

energy and plant-based feedstocks such as used cooking oil. As only waste residues or by-products from an alternative production process are utilized, these raw feedstock materials don't consume extra land resources nor compete with the food chain.

ENGAGE™ REN plant-based polymers deliver equivalent performance in the final application as fossil-fuel counterparts and therefore don't require reformulation.

"Manufacturers, brands, retailers and consumers all recognize the role they play in reducing the impact of climate change and as a result, are seeking out more sustainable options," said Imran Munshi, Global Bio-Polymers and Consumer Market Manager at Dow. "Combining a lower carbon footprint and no compromise on performance, ENGAGE™ REN provides the footwear industry with an innovative solution that enhances the sustainability profile of their products, while maintaining the same high-performance results they've come to expect from Dow. We are committed to enabling our customers to reduce their carbon impact and meet their sustainability targets and we are excited about how this innovation advances the market for more sustainable materials."

As a leading materials science company, Dow continues to work towards transformational change with partners and policy makers to tackle the challenges of climate change. The introduction of ENGAGE™ REN highlights how Dow is supporting the markets we participate in, to reduce the carbon footprint and provide more sustainable, high-performing solutions to our customers.

Source : Dow

Braskem and Lummus: a New Chapter in the History of Renewable Ethylene Technology

Braskem, a market leader and pioneer in the production of biopolymers on an industrial scale, and Lummus Technology, a global leader in value-oriented process technologies and energy solutions, signed a partnership that aims to internationally license the technology used in the production of renewable ethylene from Braskem. The partnership will accelerate the use of bioethanol in the production of chemicals and plastics, supporting the industry's efforts towards a carbon neutral circular economy.

Braskem is one of the pioneers in the production of plastic resins from renewable sources and, recently, announced the goal of producing 1 million tons of I'm greenT bio-based polyethylene by 2030. Cooperation will be a key element in achieving this goal, and the new partnership with Lummus will bring the complementary expertise and skills to shorten the timeframe of this goal, while expanding the technology's geographic reach.

Lummus Technology, a recognized leader in ethylene production technologies, has licensed approximately 40% of the global supply of this hydrocarbon, giving the company the technical capacity and experience to develop and commercialize the technology behind renewable ethylene. This partnership makes it possible to license the technology globally, in addition to the first two projects to be developed in the US and Thailand - the latter still under evaluation and subject to the approvals of the respective competent governance bodies.

This partnership is also in line with Braskem's objective of improving people's lives and supporting ways to promote a climate-safe future. Demand for renewable ethylene is growing, and licensing a proven technology - which has been in use for over 10 years - provides the confidence needed for future investments. Together, Braskem and Lummus will ensure the growth of renewable ethylene production worldwide.

"Lummus contributes its licensing experience and process knowledge to this partnership, with the aim of expanding the reach of Braskem's proven renewable ethylene technology worldwide.

Through this initiative, we also believe that we are contributing an alternative to the sector's evolution towards a carbon neutral circular economy," said Walmir Soller, vice president of Olefins & Polyolefins at Braskem in Europe and Asia.

"We are really excited about this partnership, which helps the world diversify raw material sources for biomass chemicals and plastics. Leveraging Lummus and Braskem's combined experience and expertise to produce green ethylene, we will reduce our carbon footprint and play a promising role in the energy transition. Braskem has already successfully operated the technology on a large scale and together we will expand the global production of low carbon chemicals and polymers from renewable raw materials, helping our customers to decarbonize their assets and produce greener products," said Leon de Bruyn, president and CEO of Lummus Technology.

Source : Braskem

Saving Water and Reducing Waste - Evonik Opens its First Zero Liquid Discharge Plant in India

- Evonik in association with Remondis has opened its first plant in India to ensure Zero Liquid Discharge
- The plant is an integral component of Evonik's circular economy goals
- Located in Dombivli, Western Maharashtra, India

Essen/Dombivli. Evonik Catalysts has opened a new Zero Liquid Discharge (ZLD) plant at its facility in Dombivli, India. The new plant reduces the amount of fresh water required for production processes and turns material that was previously considered waste into saleable products. ZLD purifies and recycles wastewater at the end of an industrial process, leaving little to no effluent remaining when it is completed. This means not only more efficient water use, but also a significant reduction in waste liquid.

"Environmental excellence has always been a top priority for Evonik in India, and the ZLD plant at our catalysts site is a centerpiece in Evonik's efforts to minimize its production-associated ecological footprint," said Sanjeev Taneja, Senior Vice President and General Manager, Catalysts business line, at the inauguration of the plant.

"The efficient reuse of process water, and products extracted from it, is in line with our circular economy principles, and a key contribution to the sustainability targets of Evonik and our customers."

Evonik is developing site-specific action plans as part of its global water management system. One focus is on sites in regions that could be affected by water scarcity. It also strives for the most efficient use of water.

The main ambition with the Dombivli ZLD plant is to improve the treatment of process water. It goes through a multistage process and then the byproducts go through further processing. An estimated 600 m3 of wastewater – the equivalent of between 25 and 30 tankers – enters the ZLD plant every day and the plant is expected to recirculate around 55 percent of that – approximately 300-350 m3 – for process reuse and the balance water for re-use as cooling tower make up thus reducing Evonik water use requirements and thereby reducing Evonik's dependence on municipal water supplies. The requirement for fresh water will be reduced by 65 percent after stable operation of zero liquid discharge and the company is targeting further reductions through process optimization.

In addition, processing leads to the production of 15-20 metric tons of sodium sulphate and certain mixed salts which can be resold as a commercial product.

"At Evonik, we see responsibility and long-term business success as two sides of the same coin," says Vinod Paremal, Regional President, Evonik India Subcontinent. "Sustainability is a central element in our purpose 'Leading Beyond Chemistry', and we look to provide innovative solutions that help to make everyone's lives more sustainable, healthier, and more comfortable. Sustainability is important to our customers and the end consumer and has long been a growth driver in many of our businesses. This new ZLD initiative carries forward that sustainable outlook."

The ZLD plant is set-up on a 'BOOT' Model between Evonik and Remondis, with the latter responsible for building, owning, operating, maintaining and transferring the ZLD plant to Evonik.

Source : Evonik

Dyes &

Chemical Market

(A Monthly Magazine)

Subscription Order Form

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