

DYES & CHEMICAL MARKET

MAY 2021

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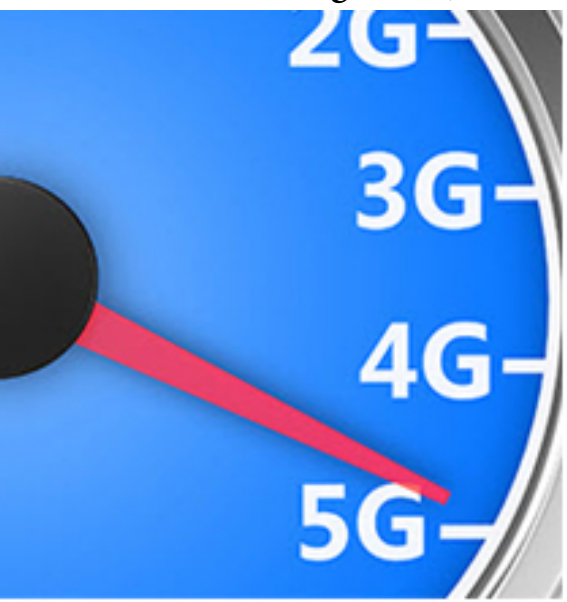
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A MONTHLY MAGAZINE DEVOTED TO

DYES CHEMICALS PHARMACEUTICALS API TEXTILE AUXILIARIES PAINTS SOLVENTS COSMETICS

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Global Silicones Markets Report 2021-2025: Focus on Construction, Transportation, Electronics, Personal Care and Consumer Products, Energy, & Healthcare -Pg26



Things happening amid FUD (Fear, Uncertainty and Doubt) - Pg25

Fear, uncertainty and doubt



Dow collaboration extends life of reusable plastic pallets 150% - reducing carbon footprint and materials consumption -Pg39



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Composition	304	316	Proprietary
Made In India	No	No	Yes

APPLICATION:



Chemical,
Distilleries &
Breweries Industry



Food &
Beverage
Industry



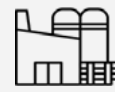
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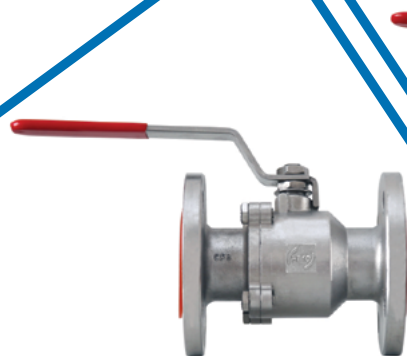
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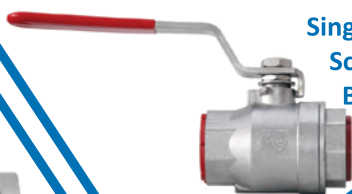
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Edible Refine Salt

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Raw Salt/Crystal/Coarse Salt

Application: Edible Refinery, Soda Ash Refinery, Pharma and Other Raw Material for Chemical

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Sodium Sulphate by Product

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Head Office:

SKC INDUSTRIES LLP

13,1st Floor, SwamiNarayan Mandir Bulding,
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Email: naran@skcind.com

Web: www.skcsalt.com, www.skcxport.com

For information & Inquiry:

Email: marketing@skcind.com

Product Inquiry:

Cell No: +91-9825788223 (Whatsapp)

Cell No: +91-9081099950

Logistics Marking:

Nearest Sea Port: Kandla and Mundra(Gujrat-India)

Airport: Ahmedabad-(Gujarat-India)



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- ☐ Clift Industries Inc.

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- Silver Peroxide** ☐
- Peracetic Acid** ☐
- Sodium Percarbonate** ☐
- Indole Acetic Acid** ☐
- Indole Butyric Acid** ☐
- Gibberlic Acid & 6BA** ☐

Product Category:

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- Laboratory Glasswares
- Laboratory Plastic Wares
- Laboratory Equipments & Analytical Instruments
- Industrial safety products - Gloves, Wipers, Ear Plugs,

Speciality Chemicals:

- Importer of Antibiotics & Excipients required for Pharma-ceutical formulations
- Process Chemicals required for dairy, food, sugar, textile, wineries, breweries & automobile segments.
- Chemicals required for cooling tower, boiler, ETP, S& TP
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Di Methyl Acetamide	Di Methyl Formamide
Formic Acid	Methanol
Mono Methyl Amine	Sodium Nitrate
Sodium Nitrite	Tri Methyl Amine

Aditya Birla Thailand

Di Sodium Phosphate	Sodium Hexa Meta
Hydrogen Peroxide 50%	Phosphate
(240kg Carboys)	Sodium Meta Bi Sulphate
Mono Sodium Phosphate	Sodium Sulphite
Phosphoric Acid 85%	Sodium Tri Poly
Potassium Meta Bi Sulphite	Phosphate
Sodium Acid Pyro Phosphate	Tri Sodium Phosphate

Du-Pont Ltd.

Di Methyl Acetamide, Di Methyl Formamide, Sodium Metal

Reliance Industries Ltd.

Cyclohexane

Lucky Chemicals Industries

PCl₅

Jubilant Life Science Ltd.

Acetic Acid

Diamines and Chemicals Ltd.

Di Ethylene Tri Amine (DETA)	Polyamines
DIPA	Piperazine 68%
Ethylene Diamine (EDA)	Piperazine Anhydrous
	and Other products

Alkyl Amines Chemicals Ltd.

Acetonitrile	Di Ethyl Amine
Di Methyl Amine HCl	Di Methyl Amine
Mono Ethyl Amine 70%	Morpholine
Mono Isopropyl Amine 70%	Tri Methyl Amine
Mono Methyl Amine	Tri Ethyl Amine

Deepak Nitrite Ltd.

Mono Chlorobenzene, Ortho Nitro Toluene
Para Nitro Toluene

Shree Sulphurics Pvt. Ltd.

Thionyl Chloride, Sulphur Dioxide & Sulfuryl Chloride

SI Group

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Isophorone

POCl₃, P₂O₅, PCl₃

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Sodium Benzoate, Benzoic Acid

Imports (Ready & High Seas Sales)

KANDLA PORT : Acetic Acid, Acetone, Acrylonitrile, Butanol, C-IX, Cyclohexanone, Ethylene Dichloride, Hexane, Isobutanol, Isopropyl Alcohol, MDC, Methanol, Methyl Ethyl Ketone (MEK), Methyl Iso Butyl Ketone (MIBK), Ortho Xylene, Phenol, Propylene Glycol, Styrene Monomer, Toluene, Vinyl Acetate Monomer.

MUMBAI PORT : Acetic Acid, Acetone, Methanol, Methylene Di Chloride, Ortho Xylene, Toluene.

OPDA (ORTHO PHENYLENE DIAMINE) • SODIUM THIOCYANATE ISO AMBRETTOLIDE • 2-MARCAPTOBENZIMIDAZOLE

Ex Stock :

Acetic Acid, Acetone, Acetonitrile, Aniline Oil, Cyclohexanone, DEG, Di Iso Propyl Ether, Di Methyl Sulphoxide, Dimethyl Carbonate, Epichlorohydrine, Formic Acid 99%, Heptanes, Hydrazine Hydrate 80%, Hydroxylamine Sulphate, Isopropanol, MCB, MDC, MEK, Methyl Iodide, Methyl Methacrylate, MIBK, N-Butanol, N-Methyl-2-Pyrrolidone, Para-formaldehyde, Phenol, Phosphoric Acid, Propylene Glycol, Pyridine, Sodium Methoxide, Sodium Sulphide Yellow Flakes, T G Urea, Tertiary Butanol, Tetra Hydro Furan, Tri Ethyl Ortho Formate, Tri-n-Butyl Amine, Tripropyl Chloride.



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- **VIOLET 4B** (Against Huntsman violet 4BLE)
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- ☛ **Amido G. Acid to Gamma Acid**
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Contact

Bharat Mehta

AAKAR DYES AND CHEMICALS (Admin Office)

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What Are Forever Chemicals And Do They Last Forever Video

WASHINGTON, April 5, 2021 — Forever chemicals are known for being water-, heat- and oil-resistant, which makes them useful in everything from rain jackets to firefighting foams. But the chemistry that makes them so useful also makes them stick around in the environment and in us — and that could be a bad thing: <https://youtu.be/tqKEG5LxPiY>.



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

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Source : Chemical Market



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- Basic Brown Y Liquid
- Basic Brown R Liquid
- Basic Crysodine Y Liquid
- Basic Auramine Liquid
- Acid Orange Liquid
- Direct Yellow 11 Liquid
- Direct Red 81 Liquid
- Direct Orange 118 Liquid

BASIC DYES (POWDER)

- Basic Bismark Brown R
- Basic Bismark Brown Y
- Basic Crysodine Y (Crystal & Powder)
- Basic Crysodine R (Powder)
- Basic Crysodine Y Base (Solvent Orange 3)



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**CHEMICAL
MARKET**

Cphi - Informa Group

No	Exhibitions	Date	Place
1	CPhI North America	Aug 10-12, 2021	Philadelphi
2	CPhI Worldwide Germany	Nov 9-11, 2021	Fiera Milano, Milan, Italy
3	CPhI Middle East & Africa	Sept 26-28, 2021	Riyadh, Saudi Arabia
4	CPhI China- Virtual CPhI	Dec 16-18, 2021	Shanghai, China
5	CPhI Japan	Apr 14-16, 2021	Tokyo, Japan
6	CPhI Korea	Oct 11-13, 2021	Seoul, India
7	CPhI India	Nov 24-26, 2021	Noida, India

MECD (Coating Show)

1	Asia Pacific Coatings Show	Sept 01-03, 2021	Indonesia, Jakarta
2	Middle East Specialty Chemicals Show	June 15 2021	Dubai
3	Middle East Coatings Show	Sept 27-29, 2021	Dubai
4	Coatings For Africa	June 02-04, 2021	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	Sept 23-25, 2021	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	Sept 01-04, 2021	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	Apr 02-04, 2021	Dhaka, Bangladesh
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Turkey (Arkim Group)

1	InterDye Textile Printing Eurasia	Mar 11-13, 2021	Istanbul
2	Paint Istanbul TURKCOAT	Sept 09-11, 2021	Istanbul
3	Paint Expo Eurasia	Nov 25-27, 2021	Istanbul

Other Exhibitions

1	Paint India	Mar 11-13, 2021	Goregaon, Mumbai
2	Expo Paint and Coatings	July 8-10, 2021	New Delhi, India
3	CIPi	Note Sure	Mumbai, India
4	Chemspec Europe	Sept 29-30, 2021	Messe Frankfurt, Germany
5	ChemUK 2021 Expo	Sept 15-16, 2021	NBC, Birmingham, UK
6	American Coatings Show	Apr 05-07, 2022	Indianapolis
7	China Coat China	Nov 16-18, 2021	Shanghai, China Shanghai
8	Interdye China	Sept 27-29, 2021	China
9	Paint Expo Germany	Apr 26-29, 2022	Germany

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Buy Enquiries

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Product Name	Qty	Grade
Strontium Carbonate	1000 Kgs	Technical
Phenolic resins	1000 Kgs	
Details : We are interested to buy Strontium Carbonate Powder Imported and phenolic resins Mr. Sunairaja. T Sivakasi, Tamil Nadu, India Email : pyrocheme@gmail.com Tel.: 9443164779		

Product Name	Qty	Grade
861229-15-4	1000 Tonnes	Industrial
Details : This is an additive for waterproofing membrane and purity more than 90% Mr. David Ding Singapore Email : dingzhusong1972@yahoo.com Tel.: 006591058487		

Product Name	Qty	Grade
Succinic Acid 99%-food grade	80 Tonnes	Chemical
Acetic Acid	1 TankerLoad	
Benzene	1 TankerLoad	
Con Nitric Acid	1 TankerLoad	
Methanol	1 TankerLoad	
Soda Ash	4000 Kgs	
Acetone	1 TankerLoad	
Xylene	1 Tonnes	
Toluene	1 Tonnes	
Chlorine	1800 Kgs	
Sulphuryl Chloride	15000 Tonnes	
Imported Steam Coal (Indonesia) Cv 5700	1 Tonnes	
Details : My Client Required Succinic Acid 99%-food grade Please provide me Quotation along with Coa & MSDS Qty: 80MT Delivery Location: Mumbai,INDIA Payment under LUT Make : Imported/Domestic Please do the needful Required rates of above mentioned raw materials. Please reply via email/phone Mr. Abhay Hingarh Mumbai, Maharashtra, India Email : jovikaenterprise@gmail.com Tel.: 09821011976		

Product Name	Qty	Grade
N-Ethyl-2-Pyrrolidone NEP	8000 Kgs	Technical
Details : Vandit Shah Pune, Mh Mobile: 9327238521 Email : vandit09@gmail.com		

Product Name	Qty	Grade
861229-15-4	200 Tonnes	None
Details : For construction material Mr. David China Email : dzs1972@hotmail.com Tel.: 0086-13584039977		

Product Name	Qty	Grade
Ammonium Sulphate Pure White	500 Kgs	Industrial
Details : Please contact via phone/email. Mr. Manish Dharani Ahmedabad, Gujarat, India Email : manish@smdcpl.in Tel.: 9879408765		

Product Name	Qty	Grade
1,2-Bis(2-aminophenoxy)ethane - HS Code 29222990	500 Kgs	Not Applicable
Naphthol AS-PH - HS Code - 32041921	500 Kgs	Not Applicable
Fast Red KD Base (HS Code - 29225014)	2 Tonnes	Not Applicable
Naphthol AS-LC (HS Code - 32041929)	500 Kgs	Not Applicable
Dimethylsuccinyl Succinate (DMSS) - HS Code 29181990	500 Kgs	Not Applicable
Details : The purity should be ideal for manufacturing of organic pigments. Looking for Indian manufacturers for pigment intermediates. Required products are on a monthly basis. We are into manufacturing organic pigments. PRAVIN IYER Baroda, Gujarat, India Mobile: 9898507767 Email : pravin.iyer@atpigments.com		

Product Name	Qty	Grade
AMITRAZ 12.5 ec liquid	25-30 Lt	
Details : I require AMITRAZ 12.5 ec liquid for re-packing on monthly basis 25 to 30 ltrs Gagandeep Singh Amritsar Mobile: 99158-44307 Email : vetsafepharma15@gmail.com		

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Product Name	Qty	Grade
NaOH flakes	360 Kg	Chemical
Sodium Metabi Sul-phate	255	Chemical
Sodium Hypochlorite	480 Kg	Chemical
HCL	1115 Kg	Chemical
Alum	160 Kg	Chemical
Industrial Salt	10800 Kg	Chemical
Oil Disperant	207 Kg	Chemical
Polyelectrolyte Anionic	235 Kg	Chemical
Genesys RC (Anti-scalant)	962 Ltr	Chemical

Details : Required Rate with MSDS and Other Certificate
Swapnil Salunke - Zen Engineering
 Plot # A-269, Road # 33 A, Wagle Industrial Estate,
 Near ESIS Hospital, Thane (West)-400604.
 Maharashtra, INDIA
 Web: www.zenengineering.net
 Email: purchase@zenengineering.in
 Switchboard.: +91-989-283-1911

Product Name	Qty	Grade
ISO Propyl Alcohol	1 Tonnes	Industrial

Details : Need Quote for IPA. Please reply via email/phone.
Rajkumar Mandal
 Boisar, Maharashtra, India
 Email : info@myteepol.com
 Mobile : 9967800437

Product Name	Qty	Grade
Borax	1 Tonnes	Industrial

Details : Need Borax. Distributor. Please contact via email/phone
Sandip Agarwal
 Kolkata, West Bengal, India
 E-mail : sandip@sbpl.co.in Mobile : +91-983-100-1334

Product Name	Qty	Grade
Fast Red RL Base	500 Kgs	Industrial

Details : Required the above item. Please reply via email/phone.
Vibhu Vaidya - Krupalu Dye Stuff Industries
 Email : krupalu@ymail.com
 Mobile : 9408554819

Product Name	Qty	Grade
Acrylic Acid	500 Kg	Industrial

Details : Please contact via email or phone.
Janardhan Raju - Katyayani Polymers
 Email : katyayanipolymers@gmail.com
 Mobile: +91-995-990-0375

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

Details : Need for August. Please reply via email/phone.
Dr. Deepak Birewar
Inventys Research Company
 Email : dbirewar@inventys.in
 Mobile : +91-961-966-6333

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

Details : Prefer direct manufacturer or exporters only.
Jagdish Thakral
Shri Hariram Export Pvt. Ltd.
 Email: jthakral@kailashgroup.com (preferred)
 Phone : 0712-273-4041

Product Name	Qty	Grade
Pharma Intermediates	-	

Details :
Arnish
Chemox Chemopharma Industries
 Email : vekariya.arnish@ymail.com
 Mobile: +91-990-908-3070 (preferred)

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

Details : No recycled or recovered Acetonitrile, only fresh material please.
Mr Kunal Kamat (Procurement Agent)
Kunal Chemicals Trading
 Email : kunalchemicaltrading@gmail.com
 Mobile : +91-932-001-3358

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

Details : Please reply via email/phone
Parthiv
Shiv Chem Industries
 Email : chelateshivchem@yahoo.co.in
 Tel.: 079-2282-3447

Product Name	Qty	Grade
Sofosbuvir and Daclatasvir		

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



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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 Vadhada 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 Kerala) 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	
Dimethylsuccinyllo Succinate (DMSS) - HS Code 29181990		
Napthol AS - HS Code 29242990		
Napthol AS-PH - HS Code - 32041921		
1,2-Bis(2-aminophenoxy) ethane - HS Code 29222990		
2,4,6 Trichloro Aniline	100 Kgs	Chemical
Details : 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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Product Name	Qty	Grade
Alfa Naphthols		
Diethyl Meta Toluidine		
2 Nitro Di Methyl Terephthalate		
5 Nitro 2 Amino Phenol		
Aceto Acetanilide		
Meta Phenylene Di-amine		
Ortho & Para Anisidine		
Dye Intermediates		Broker
Chemicals		Broker

Details
M/s H. Rameshkumar
Goradia House, 3rd Floor, Room No. 309, 100/104,
Kazi Sayed Street, Mumbai - 400-003
Tel: 022-2344-4365
Mobile: +91-93231-36833

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

Details :
Ashok Patil
DD Patil Chemicals, Amalner Dist Jalgoan
Email: ddchemicalsales@gmail.com
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



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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		
Industrial 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
Diffubenzurone	250 Kg 500 Kg	

Details :

CHANDRESH HAPANI

ANIMED (Distributor)

Email : animed6@yahoo.co.in

Mobile : 9830175616



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Product Name	Qty	Grade
Sulphur Powder		
Sulphur Roll		
Details : we are manufacturers of Sulphur powder and Sulphur roll 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		
Emulsifier		
Wetting Agent		
Buffering agent - pH stabiliser		
Klenz B - Disinfectant Cleaner		
FW 351 - Glucoside based fruit and vegetable wash		
Saurawash 201 (Concentrated Glucoside based antimicrobial Hand Wash)		
Details : 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

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Things happening amid FUD (Fear, Uncertainty and Doubt)

The stock market is at a valuation nothing like before; the people are suffering after a huge COVID-19 surge, crypto currencies are acting crazy with the millennial thinking taking it to the moon. The rich are getting divorced like Jeff Bezos from Amazon and Bill Gates from Microsoft. There has been all news that is not just normal and we want to make it easier and fun for you to go thru this editorial section.

Today, I want to highlight what is happening on a global scenario. I see these trends which are revolutionizing the world. These trends are similar to what happened when radio was invented in 1896, TV was invented in 1927, internet was invented in 1983 marking the beginning of the digital age.

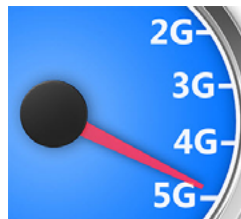
Crypto Currency: The smartest and the most elite people have realized and are well aware of the debt of the US and they want to bet against the dollar. They are looking to hedge the dollar. Initially gold was the defacto standard to hedge against the dollar, however recently, they found no other way than to buy cryptos like Bitcoin (BTC), Ethereum (ETH) and Dogecoin (DOGE). These coins are mined and have limited supply using a particular algorithm running on



distributed computing systems. World over people are investing in crypto hoping to make it big. Some people call it a ponzi scheme and some truly believe in it. While people in between are making

money with the highs and lows to capitalize the controversy.

5G: After the ban on Chinese apps and Chinese 5G companies like Huawei and ZTE, the two global companies Nokia and Ericsson are helping the global telecom companies to implement 5G internet networks to support 100x increase in traffic capacity and low latency. This corresponds to 500% faster internet speeds than the current 4G LTE. Imagine the amount of information that will flow thru these networks, about 5000% more than the current times. Imagine the number of chips that will be required to supports electronic systems like servers,



computer systems, IOT devices, mobile phones. All this will ultimately require more manufacturing and thus growth in various sectors including the chemical industry. Reliance is the only company in the world which is developing its own 5G infrastructure, though a little late in the race but it's worth taking part and challenging the existing contenders.

Electric Cars: The heart of any electric vehicle is the power it requires to run the vehicle. That comes in the form of



batteries and batteries require chemical processes which generates energy. The future holds strong support not just for the electric cars and the slow and gradual dying of (Internal Combustion Engine) ICE vehicles but also for the flights and the military jets. Elon Musk the pioneer of electric cars owns Tesla Motors and has achieved success no other company was ever able to do in history what Elon did to electric cars and sustainable energy.

Pharma Industry: As we all know how the pandemic has affected our day to day lives and some countries calling it a bio warfare initiated by China and some calling it nature's way of getting back for exploiting



the worlds natural resources. Whatever may be the reason, in the past few months one sector which has consistently showed improved performance is the pharma industry. The medicines and the chemical raw materials have been consistent in demand and important life saving drugs are expected to be in demand as we come closer to the end of the pandemic cycle which no one really knows when is the end. The vaccination drives will probably take more than 6-12 months to entirely eradicate severe cases of people affected by COVID19.

- Rajiv Parikh



Global Silicones Markets Report 2021-2025: Focus on Construction, Transportation, Electronics, Personal Care and Consumer Products, Energy, & Healthcare

DUBLIN, April 19, 2021 /PRNewswire/ -- This report covers all the commercially available product forms that are being consumed by the end-user industries. The silicone industry will also be analyzed at the regional (and country) level.

The market size and estimates are provided in terms of volume (kilotons) and revenue (USD millions) with 2019 as the base year. Market forecasts are provided for 2020 to 2025. The impact of COVID-19 is also considered while deriving the market estimates.

Silicones are a general category of synthetic polymers whose backbone is made of repeating silicone to oxygen bonds (siloxane bonds) with organic side groups, such as methyl, phenyl, or vinyl. The number of repeating units can range from one to several thousand. Silicones are a family of high-performance specialty materials. The family of silicones includes siloxanes and silanes. All these compounds are widely used to make thousands of products for several end-use sectors.

Due to the excellent chemical properties of silicones, they are extensively used across diverse industry sectors such as automotive and transportation, the personal care and cosmetics industry, industrial sector, oil and gas, building and construction, papermaking, energy, healthcare, and textiles. Silicones are highly temperature stable, chemically inert, and have a high dielectric constant. They can be easily customized. All this has led to their extensive use as adhesives, sealants, additives, release agents and defoaming agents.

The current growth of the silicone industry is primarily driven by demand from the automotive sector, due to the extensive use of sensors and other electronic components in the newest generation of cars and electric vehicles. The construction, energy and personal care sectors will also drive the demand over the coming years.

However, uncertainty over the raw material supply and prices may hamper the anticipated growth. Many capacity expansions and investments were put

on hold due to the economic situation caused by the COVID-19 pandemic, which is not expected to normalize until early 2022. The global pandemic caused a disruption in the supply chain, leading to reduced demand and stagnant growth for the silicone industry in 2020. The global silicones industry is a highly concentrated market with the top five players accounting for more than 80% of the global sales. These companies - Dow Silicones Corp., Shin-Etsu Chemical Co., Momentive Performance Materials, Wacker Chemie and Elkem ASA - are located in the U.S., Japan, Germany and China.

These players offer a wide range of formulations customized for each end-use industry. There is a limited number of manufacturers of silicone at the regional and local levels.

Read the full report : <https://www.researchandmarkets.com/r/1aw0xp>

If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Air Products' Kochi Industrial Gas Complex Reliably Supplying Syngas to Bharat Petroleum in India

LEHIGH VALLEY, Pa., April 19, 2021 /PRNewswire/ -- Air Products (NYSE: APD), a world leader in industrial gases megaproject development and execution, today announced that

the Kochi Industrial Gas Complex is reliably supplying syngas to the Propylene Derivatives Petrochemical Project (PDPP) at the Bharat Petroleum Corporation Limited (BPCL) Kochi Refin-

ery. This is the company's second supply contract with BPCL at Kochi. Air Products already operates a world-scale industrial gas complex which was commissioned in 2017, and inaugurated in



2018, to support the BPCL Integrated Refinery Expansion Project (IREP) at the same location.

Dr. Samir J. Serhan, chief operating officer, Air Products said: "Air Products is privileged to supply syngas and aid BPCL's entry in the petrochemical market. I am proud of the teams who have shown exceptional resilience and dedication during the COVID-19 pandemic. The work they have done to support this facility shows how persistently we exhibit our core values of safety, speed, simplicity, and self-confidence in this region and around the globe. Kochi is a shining example of our ability to come together as a team, wherever we are in the world, to execute large-scale, essential industrial gas projects for our valued customers."

Sanjay Khanna, executive director of

BPCL Kochi Refinery, said: "We are happy to continue our association with Air Products and congratulate the Air Products team for their commitment to safety, timely and reliable supply of products to the PDPP. The Syngas supplied by Air Products is a critical component for PDPP and will enable BPCL's entry in the Propylene Derivative Petrochemical market in a big way. This represents a significant multi-national company investment in India and support for India's vision to become self-reliant. PDPP will produce niche products like Acrylic acid, Oxo-alcohols and Acrylates utilizing industrial gases supplied by Air Products."

Adding his appreciation, Anand Chordia, managing director, Air Products India, said: "The supply of syngas at the Kochi Industrial Gas Complex reinforces Air Products India's capabilities

to execute large-scale projects indigenously through detailed engineering, procurement, construction (EPC) and through to reliable supply."

Krishnan Jaishankar, Kochi Facility head, Air Products India said: "We are delighted to expand our offerings to BPCL and strengthen our association further. I am pleased that we made this brownfield project a reality despite the ongoing COVID-19 pandemic, and while continuing to deliver strong safety and operating performance from our existing plant."

Read the full report : www.airproducts.com

If you want your report abstract to be published please contact Info@dyeschemicalmarket.com

Global CASE (Coatings, Adhesives and Sealants, and Elastomers) Markets 2020-2027 - New Product Development Fuels Competitive In-house R&D and Strategic Acquisitions

DUBLIN, April 19, 2021 /PRNews-wire/ -- This study presents an assessment of the current status and future prospects of the global market for coatings, adhesives and sealants, and elastomers (CASE) in renewable energy applications: solar, wind, and other (hydroelectric, fuel cell, biomass, biogas, bioenergy, geothermal, and tidal energies).

The research accounts for volume shipment and revenue generated by the global market from 2017 to 2027. Revenue is recorded at the manufacturer level.

Wind energy is proving to be an extremely affordable form of electricity, and the average cost of wind power has

been declining significantly during the past few years. As a result, more than 60GW of wind energy capacity was installed in 2019 globally, at both onshore and offshore locations, with offshore installations contributing to an estimated 10% of the total. Both onshore and offshore wind installations are increasing steadily worldwide, which is expected to drive demand for CASE products in the next few years. For instance, in the United States, an estimated 35,000 megawatts of additional capacity is projected in the near future.

In this analysis, different chemistries for each CASE product type are discussed for each product segment. The key technologies pertaining to every product

area have been considered during the course of the research conducted at a global level. Applications have been quantitatively explained for all key product types along with chemistry and technology type with regard to the total CASE market for renewable energy applications. All regional markets have been broken down further into key sub-regions.

Read the full report <https://www.researchandmarkets.com/r/oac3ty>

If you want your report abstract to be published please contact Info@dyeschemicalmarket.com



LyondellBasell Licensed Proprietary Polyolefin Technology to Ningxia Baofeng Energy Group Co., Ltd.

ROTTERDAM, Netherlands, March 30, 2021 -- LyondellBasell (NYSE: LYB) announced that Ningxia Baofeng Energy Group Co., Ltd. (Ningxia Baofeng) has selected LyondellBasell's world-leading polypropylene (PP), high-density polyethylene (HDPE) and low-density polyethylene (LDPE) technologies for three new polyolefin production lines.

The new lines will be built in Ningxia Baofeng's complex in Yingchuan City, P.R. China.

The complex will include a 500 KTA polypropylene (PP) plant, which will utilize LyondellBasell's Spherizone process technology and a 400 KTA high-density polyethylene (HDPE) plant which will utilize the Hostalen ACP process technology. Further LyondellBasell licensed a 250 KTA low-density polyethylene (LDPE) and ethylene vinyl acetate copolymer (EVA) line to produce LDPE with VA comonomer by using LyondellBasell's Lupotech T process technology.

"The award of three polyolefin lines with a total capacity of more than 1100 kta demonstrates our technology licensing capabilities," said Jim Seward, Senior Vice President of Research and Development, Technology and Sustainability at LyondellBasell. "The possibility to opt

for a single provider of well proved technologies and market reference products is an appealing aspect for many future operators."

Seward added: "The selection of our Spherizone process technology as the innovative manufacturing platform will allow the licensee to produce superior polypropylene resins with enhanced product properties. The production of polyethylene resins will be made by using LyondellBasell's leading low-pressure Hostalen ACP slurry process for the production of high-performance multi-modal HDPE resins and our Lupotech T process technology which is the leading high-pressure tubular LDPE technology."

The Spherizone plant will commence operation by using LyondellBasell's Avant ZN catalyst whereas the Hostalen ACP plant will commence operation using Avant Z 501 and Avant Z509-1 catalysts to produce a full range of multi-modal HDPE products.

New licensees can take advantage of LyondellBasell's in-house expertise of

continuous production improvement, sustainable product development and catalyst knowhow, by optionally joining our Technical Service program.

LyondellBasell is a leading licensor of polypropylene and polyethylene technologies with more than 300 polyolefin process licenses. In addition to the Spherizone, Hostalen ACP and Lupotech process technology, LyondellBasell's portfolio of licensed polyolefin processes and catalysts includes:

Spheripol – The leading PP process technology with more than 30 million tons of licensed capacity with globally recognized quality grades with leading monomer consumption and investment costs to make it the technology of choice
Spherilene – Flexible gas phase process technology for the production of LLDPE, MDPE and HDPE

Metocene PP – Innovative add-on technology for the production of specialty polypropylene products using single-site catalyst systems

Avant – Advanced Ziegler-Natta, including non-phthalate, Ziegler, chromium and metallocene catalysts for entire range of polyolefin production.

Source : LyondellBasell

Sabir is a Frontrunner in Industry to Launch Recycled Ocean Bound Plastics Portfolio

SABIC, a global leader in the chemical industry, has announced the launch

of a new recycled material made from ocean bound plastic which has been re-

covered from ocean-feeding waterways and inland areas within a 50 kilometer

Continued On Page 39



COVESTRO AND GEBIOM EXPAND THEIR COOPERATION FOR ORTHOPEDIC FOOTWEAR 3D-PRINTED TPU INSOLES

Materials manufacturer Covestro and orthopedic service provider GeBioM mbH, based in Münster, Germany, are expanding their cooperation in the field of orthopedic footwear. In addition to producing lasts and trial shoes, they now support orthopedic shoemakers in the production of custom insoles using 3D printing. A new Addigy® FPU 79A thermoplastic polyurethane (TPU) from Covestro is used in the form of filaments. Together with Danish printer partner Create it REAL, the companies offer a novel and sustainable solution for the digital production of shoe insoles.

"Our new TPU plastic and a printer developed specifically for this application make it possible to print very soft structures. The material and printer were harmonized during development to achieve a perfect result," explains Lukas Breuers, 3D printing expert at Covestro.

"With the help of the automated software solution, soft and hard structures can be combined in a shoe insole, achieving a level of customization that was previously virtually impossible." The TPU also meets the requirements for medical devices with regard to cytotoxicity and skin sensitization in accordance with the DIN EN ISO 10993-5 and 10993-10 standards.

In addition to functionality, the development of the material also focused on its ecological footprint, as Marcel Domenghino, Managing Director of GeBioM, points out: "It was important to us that the new solution also allows for improved sustainability. Currently, the production of insoles also



generates large amounts of waste. Moreover, the insoles themselves are hazardous waste after use. With 3D printing, we now enable our customers to produce in a waste-free manner by using only the material that is needed for the insoles."

Aiming for recyclable material

Covestro is currently working on a recyclable TPU for this application and is

developing opportunities with GeBioM and value chain partners to recover used insoles for recycling. Already, the spools on which the filament is wound are re-used. The development is part of a global strategic program to fully align the company with the Circular Economy. Components of the program include innovative recycling technologies and the increased use of alternative raw materials such as biomass, CO2 and plastic waste, as well as renewable energy.

Covestro has been committed to developing innovative material solutions for additive manufacturing products for years and offers a versatile product range under the Addigy® brand, including for orthopedic shoe insoles. Just recently, the company also significantly strengthened its 3D-printing portfolio with the acquisition of the Resins & Functional Materials business of the Dutch DSM Group.

Source : Covestro

**KESIMPTA®
(OFATUMUMAB)
DATA AT AAN
SHOWED REDUCTION
IN DISABILITY
PROGRESSION
INDEPENDENT OF
RELAPSE ACTIVITY IN
NEWLY DIAGNOSED
PATIENTS WITH RMS**

Basel, April 16, 2021 — Novartis announced today new post hoc data from the Phase III ASCLEPIOS trials showing Kesimpta® (ofatumumab) reduced the risk of disability progression

independent of relapse activity (PIRA) at three and six months vs teriflunomide in a subgroup of newly diagnosed, treatment-naïve patients with relapsing forms of multiple sclerosis (RMS)1. These data, to be presented at the American Academy of Neurology (AAN) Annual Meeting being held virtually on April 17-22, 2021, further support Kesimpta as a first-choice treatment option for adults with RMS.

“This PIRA analysis shows more than half of the disability worsening events experienced by patients with early RMS were occurring regardless of whether they experienced relapses,” said Jacqueline A. Nicholas, MD, MPH, System Chief Neuroimmunology & MS, Ohio-Health MS Center, Riverside Methodist Hospital, Columbus, Ohio. “Kesimpta reduced this risk of progression by up to almost 60% versus teriflunomide, reinforcing the importance of early intervention with high-efficacy treatment to address underlying disease progression before irreversible damage occurs.”

“Evidence shows that progression occurs in people living with MS in the early stages of disease. This reinforces the need to treat early with a first-choice treatment like Kesimpta, which combines powerful efficacy with a favorable safety profile and can be self-administered at home,” said Estelle Vester-Blokland, Global Head Neuroscience Medical Affairs, Novartis Pharmaceuticals. “We are dedicated to advancing the scientific understanding of underlying progression so that we can ultimately improve the quality of life for people living with this chronic disease.”

Source : Novartis

**ACTIZONE™ F5 IS
PROVEN TO PROTECT
SURFACES FROM
VIRUSES, INCLUDING**

SARS-COV-2, FOR 24 HOURS

Brussels, March 30th, 2021 Solvay's ready-to-use Actizone™ F5 has now been verified for 24-hour virus protection on a variety of commonly used surfaces. Actizone™ F5 is scientifically proven to deliver long-lasting protection from viruses, including the human coronavirus, on frequently touched surfaces.

Throughout the COVID-19 pandemic, disinfectant manufacturers have claimed that a product exhibits long-lasting protection against the SARS-CoV-2 virus, which causes COVID-19, without rigorous data to support this conclusion. Our partner Byotrol developed breakthrough testing to identify whether surface disinfectants offer long-lasting protection against viruses such as the SARS-CoV-2. Manufacturers and consumers can clearly see which products, like Actizone™ F5, deliver reliable and long-lasting virus protection in real-life conditions where surfaces are frequently touched and can be contaminated.

Based on the residual antimicrobial method PAS 2424, this new testing method simulates end-use conditions, such as frequent abrasions, to verify the long-term efficacy of an antiviral disinfectant. By using the industry-standard surrogate for enveloped viruses, scientists have been able to confirm that Actizone™ F5 is effective on the family of enveloped viruses, which includes SARS-CoV-2 and influenza viruses. Additionally, this breakthrough testing is currently in consideration to become the British standard for proving long-lasting performance in antiviral disinfectants.



Actizone™ technology offers unique germ protection by trapping antimicrobial actives on surfaces and forming an innovative film that instantly kills bacteria and viruses while remaining available for 24-hour disinfection. These active ingredients provide unmatched peace of mind for users by combining cleaning benefits with outstanding antibacterial and antiviral protection.

“Traditional disinfectants only protect environmental surfaces for a few minutes. We developed a game-changer disinfection cleaner solution for surface protection,” said Kamel Ramdani, R&I Director at Solvay. “Actizone™ continues to kill bacteria and viruses in real-life environments for up to 24 hours. It is

the first technology to show evidence of long-lasting protection from viruses like SARS-CoV-2. Consumers and professionals can be confident that Actizone™ F5 will help protect them from Covid-19 when in contact with frequently touched hard surfaces in public spaces.”

After more than a year spent battling COVID-19, the world is ready to return to a sense of normalcy. Antimicrobial disinfectants will play a critical role in the fire to keep individuals, families, and communities safe from the human coronavirus and other potentially harmful pathogens. With Actizone™ F5 and other disinfectant solutions developed with Actizone™ technology, the world can



work together for a cleaner and safer future with disinfection that lasts.

For more information about Actizone™ F5 and our additional Actizone™ products, contact our experts.

The Actizone™ line of ready-to-use products and ingredients includes Ac-

tizone™ F5, a formulated end-use product that is not currently registered or offered for sale in the United States or in Canada. Any sale of Actizone™ F5 in a particular country shall be solely on the basis of the approved registration in that country, and any claims regarding Actizone™ F5 in a particular jurisdiction shall be addressed solely by the laws and

approval of Actizone™ F5 in that jurisdiction. This is not intended to promote, sell or recommend the sale or use of Actizone™ F5 in countries where it is not yet registered, including in the United States and Canada.

Source : Solvay

CHEMICAL TECHNOLOGY

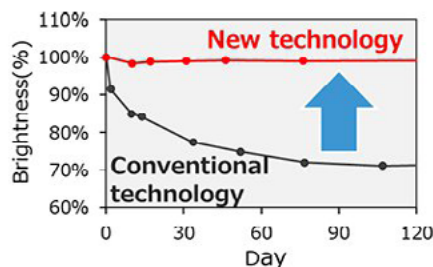
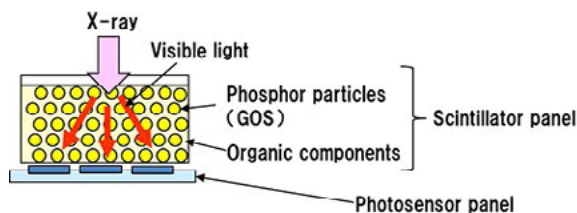
NEW TORAY TECHNOLOGY BOOSTS X-RAY SCINTILLATOR PANEL DURABILITY

Tokyo, Japan,
April 7, 2021

– Toray Industries, Inc., announced that it has developed a technology that makes X-ray scintillator panels

(see note 1) more durable. Another prospective benefit is lower running costs for X-ray detectors in radiography systems with panels employing this technology. The company has begun shipping samples. Production employing the new technology will start in July 2021 at the Shiga Plant in Otsu, the production base for scintillator panels.

X-ray detectors in radiography equipment generally comprise scintillator panels that convert X-rays to visible light and photosensor panels that transform visible light into digital images. Irradiation degrades the brightness of conventional scintillator panels. The degradation is especially significant on the panels of industrial X-ray imaging systems. That is because they run continuously and require regular X-ray detector replacement owing to high irradiation doses.



Toray found after assessing that situation factors that causes the degradation owing to X-ray irradiation. The company successfully

developed a highly durable X-ray scintillator panel by drawing on the materials engineering and manufacturing process technologies that it has amassed over the years. Accelerated X-ray irradiation testing in-house confirmed that this panel's brightness degraded just 2%, compared with 30% for conventional panels.

Medical X-ray imaging applications commonly employ scintillator panels, and Toray has supplied X-ray scintillator panel products for medical use. It uses its new technology to develop an

industrial scintillator panel that helps reduce X-ray imaging equipment running costs. The company looks to deploy this technology at food, electronic components, energy industries including battery components and hydrogen storage tank, and other factories where

quality assurance by nondestructive test is required to detect contamination and void.

Toray is also developing products that combine this new technology with its proprietary pixelated X-ray scintillator panels (see note 2) for high resolution and its high-speed technology to suppress image blurring. The company will respond to market needs by providing X-ray detectors that enhance performance and accuracy as well as extended service lives. It will help expand X-ray imaging applications in renewable energy-related industries contributing to decarbonization and other social infrastructure areas that demand outstanding quality.

Toray will keep striving to develop revolutionary materials that transform societies in keeping with its commitment to innovating ideas, technologies, and products that deliver new value.

After measuring initial brightness, Toray irradiated the scintillator panel at



60 kilovolts and 1.1 milligray (assumed average dose rate for two years of operations) and thereafter checked brightness changes.

X-ray scintillator panel configuration (left) and brightness change comparisons (right)

Source : Toray

SUEZ AND LYONDELLBASELL EXTEND THEIR COLLABORATION WITH SAMSONITE TO PRODUCE A NEW RANGE OF SUITCASES USING RECYCLED PLASTICS

On the occasion of Earth Day, SUEZ, LyondellBasell and Samsonite reaffirm their commitment to reducing their clients' environmental footprint by developing even more sustainable products. Quality Circular Polymers (QCP), the plastics recycling joint venture of SUEZ and LyondellBasell, has renewed its collaboration with Samsonite for its Magnum Eco suitcase collection. This new range leverages QCP's expertise in high-quality polymers¹ recycling and focuses on giving post-consumer plastics a second life while reducing the use of virgin materials.

Building on the success of the S'Cure ECO collection launched in 2019, and in order to preserve natural resources, Samsonite, well known for the quality and durability of its products,

has launched its new Magnum Eco suitcase range made from secondary plastics materials. The luggage industry leader turned once again to QCP to benefit from its expertise in plastics recycling and recovery to take part in the conception of this new collection. Designed in Europe, the suitcases are made from household plastic waste from the Netherlands and Belgium, such as plastic bottles and yogurt pots: the large size suitcase incorporates recycled plastic waste equivalent to 483 yoghurt cups and 14 plastic bottles. Using the innovative Recy-clex™ technology, the exterior shells are made entirely from recycled plastics and the interior fabric is also developed from 100% recycled PET bottles.

The new Magnum Eco collection illustrates QCP and Samsonite's joint commitment to developing responsible products that incorporate recycled plastics resulting in a lower carbon footprint.

Christine Riley Miller, Samsonite's Global Director of Sustainability sees this industry-first innovation as part of a bigger picture: "We are continuously looking for new ways to reduce our environmental footprint across our operations. This includes innovating how our products are made so we play our part in repurposing plastic waste."

"LyondellBasell is taking definitive action to advance its circular economy ambitions, and the Samsonite Magnum Eco luggage is a perfect demonstration of bringing this valuable plastic resource back to life. This recycled material, polymers from our CirculenRecover product range, is providing travelers with a durable, lasting product. We are honored to join Samsonite in being part of this sustainable solution to help end plastic waste in the environment, and endeavor to continuously innovate to meet our customer's needs" commented Richard Roudeix, LyondellBasell Senior Vice President of Olefins and Polyolefins for Europe, Middle East, Africa and India. "We are delighted to continue our collaboration with Samsonite. R&D, a key driver of growth and differentiation for the SUEZ Group, combined with our expertise in recycling high-quality polymers, played an important role in the development of this new suitcase range. We are proud to offer concrete circular solutions and technologies to our customers. We are particularly vigilant in ensuring the traceability, compliance and sustainability of the plastics that we recycle, with LyondellBasell, within the QCP joint venture" added Jean-Marc Boursier, Senior Executive Vice President of SUEZ in charge of the France Region and Group Chief Operating Officer.

This new collaboration comes after QCP's acquisition in December 2020 of TIVACO, a plastic recycling company located in Belgium. With a capacity of processing approximately 22,000 tonnes of recycled plastics per year, this acquisition brought QCP's total plastic recycling capacity to approximately 55,000 tonnes per year.

The new collection of suitcases, which starts at €169, comes in four different sizes and is exclusively available at leading department stores and Samsonite stores.

Source : LyondellBasell



EVONIK LAUNCHES NEW PEEK FILAMENT FOR INDUSTRIAL 3D APPLICATIONS

- High-temperature resistant PEEK material extends product portfolio
- Ready-to-use polymer filament as metal replacement for infinite industrial 3D applications
- INFINAM® PEEK can be used in common extrusion-based 3D printing technologies (FFF/FDM)

Shanghai/Marl. Evonik has developed a new 3D printable filament based on PEEK (polyether ether ketone). The high-temperature and chemical-resistant ready-to-use material is particularly suitable for the additive manufacturing of demanding industrial plastic parts. The high-performance polymer can be processed in common extrusion-based 3D printing technologies such as fused filament fabrication (FFF) or fused deposition modeling (FDM). Evonik is launching the new filament under the brand name INFINAM® PEEK 9359 F.

INFINAM® PEEK AS A METAL REPLACEMENT FOR INDUSTRIAL 3D APPLICATIONS

With INFINAM® PEEK 9359 F, Evonik now offers a new filament for industrial 3D applications. The natural-colored PEEK filament, which has a diameter of 1.75 mm, is wound on 500 g spools suitable for direct use in standard FFF/FDM 3D printers for PEEK materials. Thanks to its unique properties, such as high me-

chanical strength, hydrolysis resistance, or inherent flame retardancy, it is particularly suitable for the production of lightweight and high-performance 3D parts for the aerospace, automotive, and oil & gas industries.

Compared to stainless steel, 3D parts made of INFINAM® PEEK 9359 F are approximately 80 percent lighter and 30 percent tougher with excellent fatigue resistance. This combination of properties makes Evonik's new filament the preferred high-performance material as a metal replacement in demanding lightweight applications. INFINAM® PEEK 9359 F also boasts outstanding wear resistance and low sliding friction, making it ideal for manufacturing lightweight structural parts.

The 3D components printed from INFINAM® PEEK 9359 F can withstand long-lasting temperature effects of 250 C or short-lasting temperature effects of over 300 C.

FILAMENTS FOR INDUSTRIAL AND MEDICAL 3D APPLICATIONS

"Following the commercial success of the PEEK filament for medical technology, we are now expanding the product range to include an industrial material grade," says Sylvia Monsheimer, who

heads Additive Manufacturing & New 3D Technologies at Evonik. "We use our innovative strength in polymer chemistry to constantly develop

and bring to the market new filaments, powders, or photopolymers to diversify the material landscape and thereby enable new infinite 3D applications."

Evonik is bundling its 3D printing ex-

pertise in its Additive Manufacturing Innovation Growth Field. The strategic focus here is on developing and manufacturing new high-performance materials for key 3D printing technologies. In this context, Evonik has organized its product range of ready-to-use materials under the new INFINAM® brand.

Source : Evonik

TRENDY SURFACES FOR HIGH-TECH ELECTRONICS

In the growing market for consumer electronics, manufacturers are looking for new aesthetic and functional solutions. It's no longer just about trendy shapes and bright colors: consumers have discovered a preference for velvety-soft products with luxurious matte surfaces. To meet their needs, Covestro worked with paints and coatings manufacturer AkzoNobel to develop a new type of waterborne coating system with adjustable haptics and a matt optics effect. It simultaneously meets the high demands on the quality and durability of today's electronic products. Covestro is also cooperating with other partners along the value chain to quickly apply raw material innovations in end products and support the modernization needs of brands.

"The rollout of the 5G network in particular, will take the industry to a whole new level, but will also lead to higher consumer expectations regarding device performance," says Dr. Miya Ma, Industrial Marketing and Business Development



Manager for 5G Applications in the Coatings, Adhesives, Specialties segment in the Asia-Pacific region at Covestro. “That's why we are working with partners and customers to develop innovative material solutions to bring trendy products to the market faster.”

One current example is the functional Smart Mirror from the Chinese manufacturer MINE Technologies. The mirror cover is coated with Akzo-

Nobel's waterborne soft-touch coating, which gives it a silky feel and a luxurious matte effect. It is highly resistant to abrasion and scratching and is based on the polyurethane raw materials Bayhydrol® and Bayhydur® from Covestro. The water-based coating is characterized by only low emission of volatile organic compounds (VOCs) contributing to a more sustainable manufacturing process.

The mirror also features compelling new electronic functions. If you swipe its edge, it begins to glow. The brightness can also be adjusted via swiping. The Smart Mirror can also connect to WiFi networks and is capable of recharging wirelessly. The product received an “iF Design Award” and an “International Design Excellence Award (IDEA)” in 2018.

Versatile material solutions

With pilot projects like this, Covestro is positioning itself in the growing con-

sumer electronics devices market. In doing so, the company is supporting customers along the value chains in accordance with principles of CMF design (Color, Material, Finishing). In addition to the variant presented here, silk, velvet, and leather-like product surfaces with various degrees of matte and gloss can also be produced.

The mirror's back panel and light ring are made of Makrolon® polycarbonate from



Covestro, which is characterized by its impact

strength, heat resistance, flame retardancy and transparency. The company also offers post consumer recycled solutions and polycarbonate material with renewable contents to help consumer electronics customers achieve their sustainability goal. The mirror also includes a bag made by the Shanghai-based company Huafon Microfibre. It employs a microfiber leather solution for this purpose, using the polyurethane raw material Desmodur®.

Source : Covestro

NEW WATER-BASED DISPERSIONS FOR HIGH-QUALITY PU SYSTEMS

- Expansion of LANXESS' Trixene Aqua BI product family
- Excellent crosslinkers and adhesion promoters for aqueous coatings systems
- Waterborne one component coatings based upon Trixene Aqua BI

Specialty chemicals company LANXESS expands its unique Trixene Aqua range of water-based blocked isocyanate dispersions. The product family now includes new grades, specifically designed to expand the application areas and meet more demanding customer needs. Trixene Aqua BI 120 expands the outstanding performance as adhesion promoter of Aqua BI 220, enabling formulators to use it in a wide pH range and further enhancing soft handle. This is beneficial in textile processing where the products can be used e.g. for hydrophobic resins applied in the water proof treatment, for breathable fabrics, and for silk screen printing to improve the prints' resistance to wash cycles.

As a nonionic product, Trixene Aqua BI 522 is designed to achieve harder coating, with superior chemical resistance and good drying characteristics. It is applied to metal and glass surfaces. Glasses, for example, are given excellent durability by this coating agent.

Trixene Aqua BI 202 is born by LANXESS' continuous focus on fiber sizing technologies, whereas the formulator can benefit from its combination with



Witcobond polyurethane dispersions. The use of Aqua BI 202 can improve strength of the chopped glass strands and impart composites higher mechanical, flexural properties, as well as improve impact resistance. Glass fibers are used for the formulation of high performance engineering plastics, e.g. polyamide- and PBT-based composites. Such glass-fiber reinforced plastics are indispensable in the automotive and civil engineering industries,

among others.

Excellent crosslinking in aqueous systems



The Trixene Aqua products are excellent crosslinkers and adhesion promoters for aqueous coatings systems. They boost the chemical and mechanical resistance of coatings and sizing formulations to allow much better performance and durability in the final application. Due to the blocked isocyanate group they

are more stable than the respective free counterparts and can easily be formulated in 1-K and 2-K systems together with a variety of complementary aqueous resins, e.g. hydroxy-functional acrylics, polyesters and urethanes.

Waterborne one component systems based upon Trixene Aqua BI

LANXESS' recent studies disclose formulation principles, preliminary selection of appropriate building blocks, ratio and curing conditions. The selection criteria are based upon a preliminary evaluation of the coatings properties, and help the formulator to commence work with Trixene Aqua BI crosslinkers. More information about LANXESS polyurethane products for the coatings industry is available at <https://ure.lanxess.com>.

Source : Lanxess

MERGERS AND ACQUISITIONS

TUPPERWARE BRANDS EXPANDS ECO+ REVOLUTIONARY SUSTAINABLE MATERIAL PRODUCT LINE AND ANNOUNCES NEW MATERIAL PARTNERSHIP WITH EASTMAN

ORLANDO, FL, April 6, 2021 — Tupperware Brands Corporation has announced the expansion of its ECO+, the brand's revolutionary product portfolio made with sustainable material, with two new products, Lunch-It® Containers and Sandwich Keepers as well as the addition of a new material partner, Tritan™ Renew from Eastman.

Tritan Renew will enable Tupperware to further expand ECO+ to select products that require a clear, glass-like design. This strategic partnership and new material will allow Tupperware to further expand its innovation efforts, introducing products that are functional and environmentally friendly while also on-trend for consumers.

Tupperware first introduced ECO+ in 2019 with a new material that used mixed plastic waste otherwise destined for incineration or landfill as a source. The use of this initial circular material has resulted in the avoidance of more than 100 tons of CO2 emissions from diverted waste that would otherwise be landfilled. Following the initial success, ECO+ has expanded to include a line of products made from a variety of sustainable, recycled, biobased and environmentally-conscious material. The current ECO+ product portfolio includes the ECO+ Straw Set, ECO+ To-Go Cups and now, the new ECO+ Lunch-It Con-

tainers and Sandwich Keepers.

"At Tupperware, we continuously invest in new research and design for innovative, functional and environmentally-responsible products that not only meet new consumer trends but build upon the love and trust we have established over our 75-year history. Our efforts to support the next generation of sustainable materials continues to reflect upon our purpose to nurture a better future every day by reducing waste at every step of the product lifecycle," said Bill Wright, Tupperware Brands executive vice president, Product Innovation. "I'm honored today to expand our ECO+ line with new product introductions and our new partnership with Eastman's Tritan Renew, which allows us to use recycled material in our more transparent designs. I know together, we'll work to reshape what is possible in regard to recycled material."

Tritan Renew is a revolu-



tionary resin made with Eastman's polyester renewal technology that recycles at the molecular level, breaking down plastic waste to its fundamental building blocks to be used to create pristine new material. The material is highly durable, dishwasher safe and free of BPA, BPS and BPF. Tritan Renew uniquely offers Tupperware the ability to design clear or transparent products with 50 percent certified recycled content* without compromising on quality or clarity.

"Tupperware has been at the forefront of sustainability, even before sustainability was top of mind. The brand is synonymous with bringing durable, reusable plastics into the home to keep food fresh," said Scott Ballard, vice president and general manager of Specialty Plastics at Eastman. "At Eastman, we're pleased to make molecular recycling a reality and deliver products that reduce consumption, advance the circular economy, and create value from waste. Tupperware's choice of Tritan Renew shows what is possible today — not just years in the future."

This latest strategic partnership and expansion of ECO+ will further Tupperware Brand's No Time to Waste vision, which outlines the company's dedication to utilizing innovation and design to minimize food and single-use plastic waste. The new material development in the ECO+ line diverts waste from landfills while reducing plastic consumption through the production of reusable products.

Source : Eastman

DSM ACQUIRES FLAVOR & FRAGRANCE BIO-BASED INTERMEDIATES BUSINESS FROM AMYRIS

Royal DSM, a global science-based company in Nutrition, Health and Sustainable Living, announces that it has reached an agreement to acquire the flavor and fragrance (F&F) bio-based intermediates business of Amyris, Inc., which extends DSM's offerings in Aroma Ingredients with bio-based ingredients for the flavor and fragrance and cosmetics industries.

DSM will acquire the business currently consisting of seven intermediate products (four already generating meaningful sales and EBITDA, two just launched and one under development) which will be added to DSM's existing Personal Care & Aroma Ingredients activities.

DSM will acquire the business for an upfront consideration of US\$150 million, which represents an estimated 15x EV/EBITDA 2021 multiple. Amyris will share in the EBITDA growth over the period 2021-2024 of certain of the activities (mainly the products just launched/ under development), receiving additional earn-outs equal to 9x the realized EBITDA in 2024, which is estimated to result in a total earn-out amount of US\$100-150 million. DSM and Amyris will continue their R&D partnerships.

In recent years DSM acquired Amyris' Farnesene business and technology for nutritional and F&F ingredients, as

well as its Brotas (Brazil) biotechnology manufacturing facilities. DSM has been producing several F&F products for Amyris in this facility. Acquiring now the entire F&F business from Amyris is synergetic for DSM as it:

- Further strengthens DSM's globally-leading biotechnology base with F&F intermediate products and increases the scale of DSM's biotechnology activities in nutritional ingredients;
- Broadens DSM's existing offerings in Aroma Ingredients with additional biotechnology-based products for DSM's – already existing – F&F customer base;
- Strengthens DSM's sustainability profile further, as bio-based F&F ingredients offer additional alternatives to chemistry-based products as well as botanically-sourced ingredients.

Gareth Barker, President



DSM Personal Care & Aroma Ingredients, commented: "We are pleased that we can extend the offering to our customers with an additional seven important intermediates that will help our flavor and fragrance



and cosmetics customers to improve their sustainability profile. These bio-based

ingredients provide them with attractive and sustainable additional alterna-

tives.”

Source : DSM

INTERNATIONAL NEWS

THE WORLDS FIRST CARBON FIBER SMARTPHONE DEVELOPED IN GERMANY

- Ultra-thin and extremely light thanks to Tepex composite from LANXESS
- HyRECM Technology unlocks the potential for carbon based composites in connected devices
- Monocoque design akin to a Formula 1 race car
- Sustainable and recyclable materials
- Repair-friendly design made for long service life

Cologne, March 30, 2021 – A smartphone that sets new standards for lightness, slim design and sustainability is making its debut on the market this March: the Carbon 1 MK II from Berlin-based start-up Carbon Mobile. “Designed and engineered in Germany, the Carbon 1 MK II reignites miniaturization and drives sustainability in connected devices by replacing plastics and aluminum with advanced composite materials for the first time”, says Firas Khalifeh, CEO of Carbon Mobile. The base material for the production of the housing is a thermoplastic composite from the LANXESS Tepex dynalite product range. It is reinforced with fabrics of incredibly fine 1K continuous carbon fiber filaments. “Our composite material, which we developed

for extremely lightweight components subjected to considerable mechanical stress, does more than just allow exceptionally thin wall thicknesses. In fact, with its high degree of strength and rigidity, it also helps to make the housing very robust for day-to-day use,” explains Philipp Genders, Tepex expert in application development at LANXESS. “In addition, the matte-black carbon-fibers give the smartphone a truly high-tech look.”

HyRECM Technology – overcoming physical hurdles

Despite their advanced properties for producing robust yet lightweight structures, carbon fibers behave in an electromagnetic shielding manner. This means that they block radio signals, forming a Faraday cage that rather than allowing signals to pass through, instead disperses them around the outer body of the device. Connected devices with carbon fiber, for this reason have been viewed as an impossibility by the tech industry.

Following four years of research and development, Carbon Mobile’s engineers have developed a revolutionary process to unlock carbon fiber’s potential for connected devices. The patented HyRECM (Hybrid Radio Enabled Composite Material) technology fuses carbon fibers together with a complementary composite material capable of RF signal permeation. To further boost the devices connectivity, a unique 3D-print-

ed conductive ink is integrated into the carbon fiber structure. The result is the first “radio enabled” carbon fiber based material. Applied for the first time in the Carbon 1 MK II, the new technology produces a robust carbon fiber-based housing structure that is not only incredibly thin and light, but also made from less than five percent plastic.

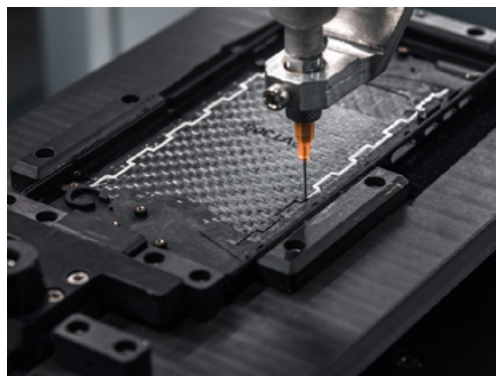
Eric Chan from processing partner Modern Composites Ltd said, “LANXESS and their Tepex materials made the perfect partner in the development of HyRECM Technology. Being able to work with a su-

perior material from Germany ensures the best application possible of this revolutionary technology from

launch.”

Lighter than a bag of potato chips

Following the same construction principle as the load-bearing chassis of a Formula 1 car, the housing is designed as a monocoque, or “single shell”. As a result, it makes optimized use of the extreme rigidity of carbon fiber reinforced



plastic (CFRP). This contributes significantly to the thin wall thicknesses and low weight of the smartphone and also enables miniaturization. That is because there is no bulky reinforcement taking up space on the inside of the housing. According to Khalifeh, "Our cutting-edge monocoque design enables a device that weighs only 125 grams, a third lighter than conventional smartphones. At just 6.3 millimeters, it is also 25 percent thinner as well."

Working toward a world with less electronic waste

Carbon Mobile is committed to sustainable principles. The new smartphone uses only recyclable materials wherever possible. "We want to deliver our contribution to cutting electronic waste and improving sustainability around the world," says Khalifeh. The composite material used for the housing can also easily be recycled and repurposed for new uses. "Like all products in the Tepex dynalite product line, it can be shredded and then processed on standard injection-molding machines to make high-quality components, either by itself or mixed with suitable new material," explains Genders. To extend the service life of the smartphone, all its components are designed to be easily replaceable for repair purpose, which also prevents electronic waste from being created.

Source : Lanxess

DUPONT TO BUILD NEW ADHESIVES MANUFACTURING FACILITY IN EAST CHINA

SHANGHAI, China, April 20, 2021 – DuPont announced today that it is investing approximately \$30 million to build a new manufacturing facility

in Zhangjiagang, Jiangsu Province in East China. The new facility will produce adhesives to serve customers in the transportation industry, primarily in support of two industry mega trends: vehicle electrification applications and lightweighting. Construction will begin in Q3 2021 and the facility is expected to be operational by early 2023.

The production facility will be built at the Yangtze River International Chemical Industrial Park in the Zhangjiagang Free Trade Zone. It will support growing demand for DuPont Mobility & Materials business' advanced solutions in adhesive technology including:

- BETAFORCE™ TC and BETATECH™ thermal interface materials that help support battery thermal management during hybrid/electric vehicle charging and operation
- BETAFORCE™ multi-material bonding adhesives for battery sealing and assembly
- BETAMATE™ structural adhesives for vehicle body structure and battery bonding to support crash durability and lighter weight vehicle structures

"This investment reinforces our commitment to advance auto electrification and sustainability while extending our leadership position in China and the Asian market," said Randy Stone, President of DuPont Mobility & Materials. "Our new manufacturing facility will support anticipated growth in the automotive sector due to strong customer demand for our advanced solutions enabling the transition to electric and hybrid vehicles."

The new facility will offer state-of-the-art process capability and quality, capacity to serve regional needs, excellent access to transportation for shipping and logistics advantages, and technical support to help ensure a world-class customer experience.

In addition, DuPont has recently established an adhesives facility in Utsunomiya, Japan to support growth in automotive electrification. This facility will manufacture products including: BETATECH™ thermal interface material, BETAFORCE™ TC thermal conductive adhesives, BETAFORCE™ multi-material bonding adhesives and BETAMATE™ structural adhesives. DuPont Mobility & Materials business has manufacturing operations and R&D capabilities globally, in North America, Latin America, Europe and Asia-Pacific.

About DuPont Mobility & Materials

DuPont Mobility & Materials (M&M) delivers a broad range of technology-based products and solutions to the automotive, electronics, industrial, consumer, medical, photovoltaic and telecom markets. DuPont M&M partners with customers to drive innovation by utilizing its expertise and knowledge in polymer and materials science. DuPont M&M works with customers throughout the value chain to enable material systems solutions for demanding applications and environments. For additional information about DuPont Mobility & Materials, visit www.dupont.com/mobility.

Source : DuPont



Continued from page 28

radius of the ocean. The ocean bound material is mechanically recycled and converted into components for new consumer goods and electronics applications, such as TV remote controls and electronic razors. It has the potential to also be used in other industries in the future, such as automotive.

Part of SABIC'S TRUCIRCLE™ portfolio and services, the new recycled material is a XENOY™ PC/PET compound comprising of a minimum 10% recycled ocean bound PET blended with polycarbonate.

According to an internal SABIC LCA Study based on a resin grade comprising 20% recycled content, for every 1kT of product containing the ocean bound recycled XENOY™ PC/PET compound, an equivalent of 24 million single-use 0.5liter PET water bottles can potentially be diverted away from our oceans, preventing them from becoming marine litter.

The new material, part of SABIC's engineering thermoplastics (ETP) product range, offers potentially significant

reductions in carbon footprint of up to 7% and energy consumption of up to 11% compared to its virgin grade. It has good impact strength, processability and chemical resistance.

"Our new recycled ocean bound material can help to tackle the problem directly, as part of our commitment to minimize plastics waste ending up as waste" said Sergi Monros, Vice President of Performance Polymers & Industry Solutions for Petrochemicals at SABIC. "By creating more sustainable materials and forging new collaborations, we hope to help reshape our industry and our entire value chain, whilst at the same time playing a leading role to help provide guidance for necessary regulation and governance."

"We are proud that we managed to design material based on recycled ocean bound PET in such a way that it meets high performance requirements of our customers, in combination with very good processability", continued Monros.

The new recycled ocean bound material forms part of SABIC's TRUCIRCLE™ portfolio and services, which showcases

the company's circular innovations and can help to provide our customers with access to more sustainable materials. In doing so, SABIC aims to help them give the end-consumer more confidence about buying products with the knowledge that the material has been recycled and produced in a way that can help protect our planet.

The TRUCIRCLE™ portfolio spans design for recyclability, mechanically recycled products, certified circular products from feedstock recycling of used plastic, certified renewables products from bio-based feedstock and closed loop initiatives to recycle plastic back into high quality applications and help prevent valuable used plastics from becoming waste.

Source : Sabic

Dow Collaboration Extends Life of Reusable Plastic Pallets 150% - Reducing Carbon Footprint and Materials Consumption

Shanghai, China – March 31, 2021 – Dow (NYSE: Dow) today announced that Yelopack, a technology-based supply chain comprehensive management company, has adopted AFFINITY™ polyolefin elastomer (POE) in its existing plastic pallets, which will increase the life span of its pallets by five years – more than doubling their current life span. Improving the reusability of plastic pallets is in line with Dow's new sus-

tainability target of enabling 1 million metric tons of plastic to be collected, reused or recycled through its direct actions and partnerships.

Prior to this collaboration, one plastics pallet could be reused about 20 times before its end-of-life but by adding Dow's AFFINITY™ POE, the pallet can be reused approximately 50 times at peak condition, even during harsh weather

conditions such as winter where temperatures can fall below minus 30-degree Celsius.

In this tripartite collaboration between Dow, brand owner - Yelopack, and pallet producer - Shangnan Pallet Sharing, Dow's materials science and technology expertise was leveraged to enhance the durability of Yelopack's current polypropylene (PP) pallets, more than doubling



VIEWS AND STATEMENTS



"Sustainability is a long-term commitment and a way of life at Marico. We are constantly working towards making a difference by adopting every possible measure that will propel us further along the road to secure a sustainable future. Furthering our ongoing programs towards integrating circularity principles in product packaging, this partnership with Dow is significant as it enables us to use post-consumer recycled resin that helps reduce our carbon footprint."

- Jitendra Mahajan, chief operating officer – Supply Chain & IT, Marico Limited."



"With the use of renewable energy, Covestro is expected to cut carbon emissions completely for these selected products from cradle to gate. These products have the same good quality and performance as fossil-based polycarbonates, and are a drop-in replacement without the need to modify existing processes or workflows."

- Jimena Ruesta, Venture Manager, Sustainability Solutions at Covestro's Polycarbonates segment."



"LyondellBasell is taking definitive action to advance its circular economy ambitions, and the Samsonite Magnum Eco luggage is a perfect demonstration of bringing this valuable plastic resource back to life. This recycled material, polymers from our CirculenRecover product range, is providing travelers with a durable, lasting product. We are honored to join Samsonite in being part of this sustainable solution to help end plastic waste in the environment, and endeavor to continuously innovate to meet our customer's needs."

- Richard Roudeix, LyondellBasell Senior Vice President of Olefins and Polyolefins for Europe, Middle East, Africa and India."



"In addition to the C-rPET production plans that we just announced, we also plan to expand our eco-friendly business fields in earnest such as additionally expanding PCR-PP, bio PET, and plastic recycle businesses, together with this, by developing new uses for the global no. 1 PIA products, we will also expand additional values for the Ulsan Factory by strengthening materials advancement."

- LOTTE Chemical Basic Materials Business President Jin Goo Hwang



"Multiple industries, from wind and solar to aerospace and automotive, are looking to adopt high-efficiency, low-loss silicon-carbide semiconductors for inverter modules, until now, this goal has been hampered by capacitors using lower-temperature films that often fail in high-heat applications without active cooling. Our new ELCRES dielectric film allows customers to leverage silicon carbide's increased power capability while operating at temperatures up to 150°C. This innovative film can support significantly improved inverter module operation to help drive higher performance in xEV and other demanding applications."

- Scott Fisher, business director, ULTEMTM products and Additives, SABIC.



VIEWS AND STATEMENTS



"Naphtha is a vital component for the plastics sector and this carbon offset load, the first of its kind, demonstrates the potential to reduce emissions from the upstream supply chain for non-combustible plastics. We believe this is a step important addition to the sector's efforts to minimize emissions."

- Dmitri Croitor, Trafigura's Global Director of Naphtha and Condensate.



"Solvay continues to achieve new performance milestones for our Amodel® PPA family of technologies to meet our customers' increasingly stringent requirements, industries from automotive to electronics to telecommunications are raising the bar for properties such as heat resistance, strength, stiffness and electrical performance. Now, with the launch of Amodel® Supreme PPA, we can meet or even surpass these high expectations and offer customers a new alternative to traditional metal and conventional polymers."

- Brian Baleno, Head of Marketing-Transportation at Solvay Specialty Polymers.



"Our latest investment is another step to support our gasification growth strategy that addresses the world's energy and environmental challenges. We continue to execute several megaprojects in China and around the world. The acquisition further strengthens our position to leverage our complete gasification technology portfolio to serve our customers."

- Seifi Ghasemi, chairman, president and chief executive officer at Air Products.



"Hydrogen and fuel cell technologies are part of the solution to the energy and environmental challenges of today and tomorrow, as the world's largest hydrogen producer and a global leader in hydrogen technology, Air Products is committed to supporting South Korea to realize a hydrogen-powered society through our expertise across every aspect of the Hydrogen for Mobility value chain."

- Kim Kyo-Yung, president of Air Products Korea.



"The special feature of our Colortherm Yellow product range is the high flexibility in pigment selection, in the case of coloring polyethylene, for example, it is sufficient for the pigments used merely not to exhibit any color changes at processing temperatures of around 240°C. However, for applications using polyamide, polypropylene and polyphenylene sulfide, thermal stability of around 300°C is essential, by expanding our Colortherm Yellow range of special pigments, we have given processors the option to choose the right pigments for them, tailored to suit the type of plastic to be colored and the requisite thermal stability."

- Stefano Bartolucci, Global Market Segment Manager for Plastics at the Inorganic Pigments business unit at LANXESS.



the number of times their new pallets can be reused. This advances the sustainability goals of Yelopack and their customers, while posing cost savings since the pallets will be replaced at a reduced frequency.

“Improving the recyclability and reusability of existing products is an important part of ensuring the sustainability of plastics, which we proudly support through research and development, and collaboration,” said Bambang Candra, Asia Pacific commercial vice president of Dow Packaging and Specialty Plastics. “Partnering with Yelopack to extend the lifecycle of pallets supports our goal of promoting a circular economy for plastics.”

Pallets play a critical role in logistics for productivity and products’ safety reasons; there are millions of pallets in circulation around the world every day.

While wooden pallets are more commonly used, plastic pallets are more durable, lighter and safer. Yelopack has developed the new generation of plastic pallet embedded with Radio Frequency Identification (RFID) and Narrow Band Internet of Things (NB-IoT) chips, enabling the pallets being easily identified and traced and hence re-collected and reused.

“At Yelopack, our purpose is to advance the circularity of plastic pallets. We are continuously finding ways to ensure that our pallets are the most sustainable in the world, which is why this collaboration with Dow is significant, because our pallets can now remain in the supply chain longer,” said Mr. Xiang Shi, Founder and CEO of Yelopack. “The

durability of our pallets greatly reduces carbon footprint, and as a result, 98% less material consumption compared to traditional pallet. Daily, over 400,000 pallets are being circulated across industries from fast moving consumer goods (FMCG) to petrochemicals, and the number is still growing. We are confident that circularity can be achieved.”

“As a pallet manufacturer, designing a highly durable plastics pallet that can be reused for five years is not easy,” said Ms. Yemin Sun, CEO of Shangnan Pallet Sharing. “With Dow’s advanced material science technology, we are able to improve the performance of our pallets to meet stringent operation requirements, especially in difficult environments, throughout its extended service life. The shared pallets are currently used in many world leading companies including Dow. With the increased number of pallet circulation, we hope to help our customers and the industry reduce their carbon footprint in the long run.”

Source : Dow

Cost Savings and Excellent Performance

- Transmission oil pan for cars made from polyamide 6 instead of polyamide 66
- High surface quality, low warpage
- Trend toward polyamide 6 also observed in other components of the oil circuit
- Recycled compounds available for oil pans

Cologne, April 2, 2021 – In the manufacture of transmission oil pans, polyamides offer numerous advantages over sheet steel or die-cast aluminum in terms of lightweight construction, cost-cutting functional integration and design flexibility. Polyamide 66 in partic-

ular has therefore found widespread use in series production of these large injection-molded parts in recent years. However, polyamide 6 is also very well suited to the purpose, as is evident from an increasing number of applications. One recent example of this trend comes in the form of a transmission oil pan made by IBS Filtran GmbH and consisting of Durethan BKV35H2.0 from LANXESS. It is part of latest-generation automatic transmissions for vehicles from various carmakers. “IBS Filtran and LANXESS have enjoyed a long-standing and successful partnership in the development of components for oil circuits in passenger cars. One of the highlights of our work together was the development of the first plastic transmission oil pan for cars,” says Babak Talebloo, key account

manager for IBS Filtran at LANXESS.

Low shrinkage and easy to weld

“There were two main factors behind the use of our polyamide 6 in the new oil pan. It fulfills the key requirements regarding thermal and oil resistance, toughness and surface quality and is much cheaper than any comparable polyamide 66,” explains Christof Boden, expert in plastic components in vehicle oil circuits at LANXESS. IBS Filtran has extensively investigated the oil and thermal resistance of the polyamide 6 reinforced with 35% by weight of short glass fibers. Endurance tests at 150°C in various transmission oils have shown that in terms of aging, there is no difference from a comparable polyamide 66. In fact,



polyamide 6 has somewhat better impact resistance and elongation at break, which means that the oil pan is generally better able to cope with stone chippings. The excellent surface quality that can be achieved with the compound is another benefit. These outstanding surface characteristics in the area around the oil pan gasket, for example, help the gasket to work well. Polyamide 6 also exhibits less shrinkage, which has a similar effect because it results in less warpage. The material's good weldability is another of its strengths.

The inner shell of the oil filter is joined to the main body of the pan by means of vibration welding. "The weld seam

demonstrates tremendous strength and is therefore capable of reliably withstanding the pressure," says Boden.

Structural supply problem for polyamide 66

Over the last three years, polyamide 66 has at times become much more expensive mainly due to shortages of adiponitrile, a primary product for the manufacture of the material, and is in some cases not available in sufficient

quantities. This has also prompted manufacturers of plastic components for oil circuits to seek more affordable and reliably available alternatives to polyamide 66. Polyamide 6 is a viable candidate thanks to its similar profile of properties. "For instance, in addition to car transmission oil pans, we are increasingly seeing truck oil pans and cylinder head covers made from polyamide 6 being used in series production and development," explains Boden.



More products added to range for oil circuit components

LANXESS is expanding its range of polyamides for vehicle oil circuits all the time. Among the new additions are Durethan

ECOBKV30H2.0, ECOBKV35H2.0 and ECOBKV60XF. Recycled fibers manufactured from waste glass make up 30%, 35% and 60% by weight respectively of these three polyamide 6 compounds. ecocycle, an independent inspection company, has examined the amount of recycled material in each compound using the mass balance method and awarded an ecoloop certificate in accordance with ISO 14021:2016. As Boden says, "With these products, we are keeping in step with the trend for increased

use of recycled materials in the automotive industry." Another example of new applications in the oil circuit comes in the form of the polyamides of the XTS series. XTS stands for Xtreme Temperature Stabilization and underlines the compounds' extraordinarily high long-term thermal resistance of up to 230°C. "For example, they can be used for oil pans on vehicles that have the catalytic converter mounted near the transmission, which results in the oil pans being subjected to increased thermal loads during exhaust treatment intervals," explains Boden. "The use of these compounds can avert the need to install deflector plates to protect the oil pans from intense heat."

Comprehensive HiAnt customer service

Through its HiAnt engineering service, HPM provided IBS Filtran with comprehensive support in the development of the transmission oil pan. Under this brand, the business unit has combined its expertise in product, application, procedural and technological development to aid in cooperation with customers. For instance, HPM conducted simulations of critical load cases for the transmission oil pan, such as stone chippings. The services that it provided also included tests on the finished part, such as tests involving stone chippings and transmission oil deposits.

Source : Chemical Market

Clariant Joins The Eu Circular Plastics Alliance

- Participation reinforces active support for more circular plastics economy
- Partnerships and collaboration to advance plastics value chain
- Specialty chemicals as key enabler for product circularity and waste minimization

Muttenz, March 30, 2021 – Clariant, a focused, sustainable and innovative specialty chemical company, today announced it has officially joined the EU Circular Plastics Alliance. The alliance aims to enhance plastics recycling in line with the objectives of the EU Circular Economy Action Plan and the Green Deal program. Clariant's engagement is part of the company's active support for

the transition towards a more circular plastics economy.

"Shifting towards a global circular plastics economy is an immense challenge that can only be brought forward through ambitious commitments, collaborations and an active stakeholder dialog. As part of the Circular Plastics Alliance, Clariant is looking forward to



working closely with other key players in advancing plastics circularity throughout Europe,” said Bernd Hoegemann, Clariant’s Chief Transformation Officer.

Clariant is committed to the Alliance’s goal to boost the EU market for recycled plastics to 10 million tons by 2025. The company’s focus is on addressing the obstacles that are hampering a higher circularity of products within the plastics value chain, in line with the

waste hierarchy principles. Clariant’s strategy is based on a smart combination of design for reduction, recycling, and reuse options, as well as solutions for mechanical or chemical recycling.

“Specialty chemicals can act as enablers for new solutions that enhance circularity of plastics by maintaining the value of products, materials and resources in the economy for as long as possible, and by minimizing the generation of waste. Clariant aims to be a leading provider of

specialty chemicals that are indispensable to transform a one-way plastics value chain into a circular plastics economy,” added Richard Haldimann, Head of Sustainability Transformation.

In 2019, Clariant also established EcoCircle, a company-wide initiative that goes beyond a product focus, looking at the entire value chain, identifying the most sustainable and viable solutions for a circular plastics economy. “With EcoCircle we have the right platform and competencies to identify solutions for closing the loop and to engage with key stakeholders to accelerate plastics circularity,” added Richard Haldimann.

Source : Chemical Market

Production of Joncryl® High Performance Barrier (HPB) Coatings at BASF Shanghai Pudong Site Offers Solutions to Improve Carbon Footprint for Packaging

- **Joncryl HPB 4K series reduces solvent emission**
- **Water-based liquid barrier coating plays an important role in latest packaging trend and conservation of natural resources**
- **Production close to point-of-use contributes to energy savings and improved CO2 footprint**

Hong Kong SAR, China – April 7, 2021 – Joncryl High Performance Barrier (HPB) products are water-based film-forming dispersions that provide heat-sealable liquid barrier. The HPB series enables the design of single-use paper food packaging that is repulpable after use, unlike current polyethylene laminates. This new class of product allows the industry to partly replace virgin pulp at the paper mill, minimizing the environmental impact of single usage

paper packaging. Water-based barrier coatings demand has increased significantly over recent years in Asia Pacific. Food and beverage brand owners along with food packaging manufacturers have committed to implement more sustainable solutions. BASF, as a market leader in dispersions and resins, is working to enable the industry to deliver on these commitments through our innovative products.

“Joncryl HPB products have been successfully introduced to the food packaging industry. The series

is FDA-approved for direct food contact and can be used for food packaging, such as take-away boxes and cups. Based on the market needs, we decided to expand our global production footprint to include China in order to support our global and regional customer base,” explained Henry Paeckert, Vice President of Dispersions & Resins, BASF



China.

“We innovate in the packaging industry to support the development of safe and sustainable solutions. Our R&D team has developed a new portfolio with Joncryl HPB 4K with comparable performance to polyethylene laminates, therefore enabling the industry to re-

duce the consumption of fresh pulp at the paper mill after collection of used packaging. Sustainability is one of the key pillars of the BASF growth strategy. The commercialization and production of the HPB range in China is one clear demonstration of our implementation,” said Sylvain Huguenard, Vice President, Resins & Additives, Asia Pacific, BASF.

The BASF Shanghai Pudong site was established in 1994, and became a BASF wholly-owned entity in 2000. It is also where the Greater China headquarters is located. It began operating its first acrylics dispersions production line in 2001.

Source : BASF

Dow Wins with Product Performance and Sustainability at The Leading 2021 Ringier Technology Innovation Awards

SINGAPORE – April 2, 2021 – Dow (NYSE: DOW) clinched two notable product wins for superior performance and wide application at the 2021 Ringier Technology Innovation Awards in the Plastics Raw Materials & Additives category:

- Dow’s Post-Consumer Recycled (PCR) resin XUS60921.01
- Carpet tile with INFUSE™ polyolefin backing

Dow’s PCR resin for collation shrink film offers sustainability advantages for the packaging value chain, while its polyolefin backing for carpet tile was designed for health, durability and recyclability.

“We are honored to be recognized by the esteemed panel of industry experts. These two awards are reflective of our commitment to creating valuable products for our customers, society and the planet. As a materials science leader, meeting current and future demands for sustainable plastics and additives remains our priority,” shared Wu Chang, technical service and development director, Dow Packaging and Specialty Plastics, Asia Pacific.

Post-Consumer Recycled resin XUS60921.01: Advancing a circular

economy

The new resin is designed with 40 percent post-consumer recycled plastics collected domestically within Asia Pacific. A first in Asia Pacific, the new PCR resin offering is part of Dow’s comprehensive strategy to advance a circular economy for plastics by redesigning and offering reusable or recyclable solutions for packaging applications.

Developed for collation shrink applications, the resin is suitable for use even in the core layer, demonstrating toughness. Other benefits include consistent performance and quality, versatile use on for printed and non-printed films, and mono-material structure that allows for easy recycling.

Most importantly, the newly formulated PCR resin enhances the sustainability profile of its packaging product. By giving a new end-of-life to plastics that otherwise would have become waste, Dow is helping converters, brand owners and retailers meet their sustainability goals. Judges from the awards panel added: “The sheer amount of suitable application for Dow’s new PCR resin means that a huge shift towards recycling and using recycled plastics is possible. We commend Dow for contributing to a plastics waste-free future with this development.”

Carpet tile with INFUSE™ polyolefin backing: Meeting demand for performance and sustainability

Dow’s readily recyclable, polyolefin-based products for carpet backings were designed to meet the most demanding expectations for sustainability, durability and processability. These materials can be used in extrusion, hot melt, foam, embossing and other processes required for the manufacture of premium carpet tile.

By providing an alternative to the polyvinyl chloride (PVC) and bitumen traditionally used, these products enable the formulation of carpeting solutions that reduces volatile organic compound (VOC) levels while enhancing durability and dimensional stability, thus ensuring that the carpet tiles are well suited to meet a variety of global sustainability standards and certifications.

Moreover, carpet tile manufacturers are able to leverage existing production lines for bitumen backing, seamlessly transforming from traditional carpet production to environmentally friendly carpet production without the need to invest heavily in new equipment and technology.

The 2021 Ringier Technol-



ogy Innovation Awards placed Dow in the spotlight again following their wins from the 2020 event. Last year, Dow won two

awards in the Plastics Raw Materials & Additives and Rubber/Elastomer Materials and Additives categories – for its Co-efficient of

Friction (COF) Stable Resin and Integrated Foam Tire based on Olefin Block Copolymer (OBC).

Source : Dow

Sabic, Sirc Join Hands to Realize Saudi Vision 2030 Objective of Circular Economy

SABIC, a global leader in diversified chemicals, signed a Memorandum of Understanding (MoU) with Saudi Investment Recycling Company (SIRC), a wholly owned subsidiary of Saudi Public Investment Fund (PIF), to help SIRC set up its first chemical recycling project to enable the use of recycled plastic feedstock.

The MoU, signed at SABIC headquarters in Riyadh on April 5, 2021, also proposed a feasibility study on building a chemical recycling plant in the Kingdom to convert Mixed Plastic Waste (MPW) into pyrolysis oil.

“This strategic collaboration will help us in our efforts to contribute to fulfilling the Kingdom’s waste management objectives aligned with Saudi Vision 2030,” said Yousef Al-Benyan, SABIC Vice Chairman and CEO.

“This also reinforces the Saudi G20 Presidency’s commitment to Circular Carbon Economy (CCE) ensuring a sustainable future focusing on environment, energy and climate,” he added.

The Public Investment Fund (PIF) owned SIRC aims to use mixed plastic waste collected from Materials Recovery Facility (MRF) to be used as feedstock to be converted into Pyrolysis oil. “The initiative will play a vital role in contributing to the Circular Economy of Saudi Arabia, reducing the greenhouse

emissions, protecting the environment and creating a sustainable future in Saudi Arabia. We see the right synergy and expertise between SIRC and SABIC to make this massive project a resounding success and a role model initiative in the Middle East,” said Ziyad Al Shiha, Chief Executive Officer of Saudi Investment Recycling Corporation.



“The collaboration with SABIC will give an impetus to our

support to the success of various initiatives identified by the Kingdom’s Waste Management National Regulatory Framework. It will also help create new opportunities in the waste management sector,” Ziyad concluded.

According to the MoU, SIRC will source, collect, sort and supply the feedstock for the chemical recycling facility from the municipal solid waste.

Both SIRC and SABIC will assess project feasibility study and the proposed collaboration, as part of the MoU, beside jobs creation.

Abdulrahman Saleh Al-Fageeh, Executive Vice President of Petrochemicals at SABIC, said, “We can now clearly

foresee a significant role of Saudi Arabia having a tangible part in the Climate Change agenda. The new collaboration will be a milestone toward Saudi Vision 2030. We are very much confident of SIRC’s expertise and role in converting the waste into opportunity.”

The MoU is aligned with SABIC’s TRUCIRCLE™ initiative as part of its vision of a circular economy.

The TRUCIRCLE™ umbrella covers certified circular products, made through feedstock recycling of difficult to recycle plastic waste; certified renewable products from second-generation bio-based feedstock; mechanically recycled products to improve recyclability and end-use properties; and design for recyclability for products that have better recyclability characteristics.

The TRUCIRCLE™ portfolio has applications in key end markets such as packaging, electrical & electronics, transportation, construction and healthcare/medical devices.

Source : Sabic



INEOS Energy to sell its Norwegian Oil and Gas Business to PGNiG for \$615m

- The deal includes all INEOS Oil & Gas interests in production, licenses, fields, facilities and pipelines, on the Norwegian continental shelf and continues to rebalance INEOS' oil and gas portfolio.
- All 52 employees will transfer to PGNiG Upstream Norway AS following completion of the deal expected later this year.
- Brian Gilvary, Executive Chairman of INEOS Energy said, "This deal represents another positive step in the INEOS Energy journey. The deal allows us to monetise a non-operated, predominantly gas portfolio at an attractive price compared to our hold value. This will further balance our portfolio of oil and gas and open up new opportunities to reinvest further into the energy transition. These assets are a very strong strategic fit for PGNiG and significantly extends their position in Norway."

INEOS Energy has today announced an agreement to sell its Oil and Gas business in Norway to PGNiG Upstream Norway AS for a consideration of \$615 million. The deal includes all INEOS Oil & Gas interests in production, licenses, fields, facilities and pipelines, on the Norwegian continental shelf.

INEOS E&P Norge AS produces around 33,000 BOE per day from the Norwegian

Sea. A 93% gas ratio, from 3 non-operated fields, Ormen Lange (14%), Alve (15%) and Marulk (30%). The business also holds 22 offshore licenses, of which 6 are operated, and has equity in the Nyhamna Terminal (8%).

The deal announced today continues to rebalance our portfolio in terms of oil and gas and moves INEOS Energy towards a more operated position.

The sale, which has an effective date of 1 January 2021, is subject to approval by



the Norwegian Ministry of Petroleum and Energy and the Norwegian Ministry of Finance. It is expected to complete later this year.

All 52 employees of INEOS E&P Norge AS will transfer to PGNiG Upstream Norway AS following completion of the deal.

The PGNiG Group is the largest Polish oil and gas company employing 25,000 people worldwide. PGNiG Upstream Norway AS is an integrated exploration and production company established in Norway in 2007 and plays an important

role in the supply of gas to Poland.

Brian Gilvary, Executive Chairman of INEOS Energy said, "This represents another positive step in the INEOS Energy journey. The deal allows us to monetise a non-operated, predominantly gas portfolio at an attractive price compared to our hold value. This will further balance our portfolio of oil and gas and open up new opportunities to reinvest further into the energy transition. These assets are a very strong strategic fit for PGNiG and significantly extends their position in Norway."

Today's deal quickly follows the announcement of the acquisition of the HESS business in Denmark, which consists of operated assets. These deals begin reshaping INEOS Energy as it progresses a strategy to position the businesses strongly in the coming energy transition.

Source : Ineos

Advanced Plastic Recycling from INEOS Olefins & Polymers USA Receives ISCC PLUS Certification

- International Sustainability & Carbon Certification (ISCC) supports commercial-scale trial and lays the groundwork for INEOS' commercial offering of next generation polymer products.
- Chocolate Bayou, Battleground and Carson become the first INEOS sites in the US to receive ISCC PLUS cer-



Price as on March 30, 2021

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(Acti- vated)	50	50	
Calcium Carbonate (Pre- cipitated)	50	30	
Carbon Disulphide	300	84	-1
Caustic Potash		78	
Caustic Soda (Flakes)	50	32	
Caustic Soda (Lye)	Tanker	22	
Hydro (China)	50	87	
Hydrogen Peroxide	50	41	
Hyflosupercel	22	66	
Lithopone (China)	25	185	
Magnesium Carbonate (Indian)	50	56	
Mercury	34.50	8700	
Nitric Acid RCF (60%)	Tanker	50	
Phosphoric Acid	50	67	
Potassium Carbonate	50	54	
Potassium Carbonate (Indian)	50	66	
Potassium Permanganate	50	160	
Soda Ash	50	30	
Soda Ash Tata		33	
Sodium Nitrite		44	
Sodium Nitrate		32	
Titanium Dioxide Anatase (TTPL)	25	190	
Titanium Dioxide Anatase (China)	25	160	
Titanium Dioxide (Rutile – R-902)	25	248	
Zinc Oxide (China)	50	93	

Name of Chemicals	Pack (Kgs)	Price	Change (Rs./Kg)
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	
Polyethylene Glycol (PEG 200)	230	93	
Polyethylene Glycol (PEG 400)	230	94	

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



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tification.

- Advanced recycling allows key raw materials ethylene and propylene to be manufactured from mixed plastic waste.
- INEOS now marketing new High Density Polyethylene and Polypropylene products derived from recycled plastics.

INEOS has today announced that its manufacturing sites in Texas and California have been awarded ISCC PLUS certification from ISCC (International Sustainability & Carbon Certification). This certification supports recent successful, commercial-scale trials of Advanced Recycling technology for the production of ethylene, propylene, High Density Polyethylene (HDPE) and Polypropylene (PP).

Advanced Recycling converts waste plastic, which was destined for a landfill, back into a liquid raw material for use again in next generation plastic production. Also known as Chemical Recycling, this technology can be used for many types of plastic including mixed plastic waste streams that are normally difficult or impossible to process with traditional recycling.

The new technology enables plastics to be recycled back to a raw material stream and returned to the market as new product from recycled material. The product properties are identical to virgin plastics made from oil and gas. Advanced Recycling creates a closed-loop system for plastics management,

helps reduce landfill, prevents plastic from ending up in the environment and reduces the use of fossil-fuel based raw materials.

Mike Nagle, CEO of INEOS Olefins & Polymers USA said, "Plastic waste is an important problem that INEOS is committed to addressing. Using difficult-to-recycle waste streams as a new raw material is a step-change. This investment is beneficial to INEOS and our customers but also for the overall global issue of plastic waste and the management of essential plastic products. I applaud the team and the business for reaching this important milestone as part of our Circular Economy program." INEOS is committed to contributing to a Circular Economy where materials are re-used and recycled to the maximum extent possible through both Mechanical and Advanced Recycling in a broad range of applications.

INEOS Olefins & Polymer USA has received strong customer interest in polyethylene and polypropylene products derived from recycled plastics. The ISCC PLUS certification supports the success INEOS has achieved in the commercial-scale trial and lays the groundwork for INEOS' commercial offering for a next generation of polymer products.

Phil Fusco, Vice President of Polymers for INEOS Olefins & Polymers USA said, "The certification by ISCC continues the journey of

building a sustainable business for the future with our customers, employees and neighbors. We are committed to the transparency and challenge that certification such as ISCC PLUS brings to our organization and our industry. The response to both this certification and our success in processing advanced recycled feedstocks from our high-density polyethylene and polypropylene customer base has been overwhelmingly positive. We now have Advanced Recycled HDPE and PP available for sale."

ISCC is an independent multi-stakeholder organization providing a globally applicable certification system for the sustainability of raw materials and products. ISCC holds objectives regarding the implementation of environmentally, socially and economically sustainable production. This certification validates INEOS meets the objectives of ISCC PLUS, and enables INEOS to further develop and offer a wide range of olefin and polymer products derived from recycled plastics.

Source : Ineos

Domo Fills Product Gap In Black Transparent Laser Welding

Leuna, April 13, 2021 - DOMO Chemicals has developed a new product family PA66 based black plastics suitable for laser welding, a technology that is increasingly used in joining together

thermoplastic parts. DOMO's new laser transparent Technyl® STAR AF 219 V30 black LT is now available on the market.

Laser welding is becoming one of the top

cost-effective technologies to deep weld polymer materials together in many industries and is particularly used in the development of complex and small shaped plastic parts for the automotive



market, electronic circuits, Internet of Things applications and consumer goods. The most relevant benefits of this technology include speed, flexibility, precision and superior appearance. Additional laser welding is also a low dust technology, a key high performance for electric and electronic applications.

“Being such a concentrated heat source, in thin materials laser welding can be carried out at high welding speeds. Thicker materials can produce narrow, deep welds between square-edged parts. Our Technyl® STAR AF 219 V30 black LT expanded product family will be important for the electric vehicle market where there is a growing demand for sensor boxes, cases and control units”, explained Vincent de Givry, Marketing Director Engineered Materials at DOMO.

“There is the clear trend in the market to go for electro friendly, laser welding compatible materials because

this clean welding technology is often used in sensitive corrosion applications. That’s why our solutions are also available in electro friendly alternatives, making them suitable for sensitive electrical applications, while offering a cost-efficient solution” de Givry continued.

The technique sees a laser beam pass through the laser-transparent part to reach the laser-absorbing component, melting the material in a localized area and contactless welding from the inside out, creating a clean, invisible and aesthetic finish. Other technologies that require friction during the welding create air pollution in the process meaning that parts require post-production cleaning.



Technyl® STAR AF 219 V30 black LT was measured using a light transmission test as a wavelength of 940nm - proving the suitability of this solution up to 3mm thickness.

Additionally, DOMO's in-house APT Part testing service, can perform burst tests on welded parts for final proof of concept and to speed customer's time to market. All tests to date have shown good cohesion of the welding.

New applications for laser welding are constantly emerging. One of these is extruded tubes for Air Conditioning lines and DOMO has developed unfilled alternative that has proven to be successful and passed the burst test before and after refrigerant aging.

Looking ahead, a reinforced, and specifically designed for laser welding technology, PA6 30% glass fiber is also under development and will be released to the market soon.

Source : Chemical Market

Solvay's New Corrugated Tubing Technology Allows Greater Light-Weighting Potential

Brussels, April 1, 2021 -- Solvay and Maincor Rohrsysteme GmbH & Co. KG pioneer a technique to manufacture a more flexible, extruded corrugated tubing with varying wall thicknesses and diameters. This advance will help meet new thermal management design challenges stemming from combining internal combustion engine (ICE) and e-mobility technologies including batteries, e-motors, and power electronics.

This follows the successful introduction of Solvay's Ryton® PPS mono-layer extrusion grade Ryton® XE3500BL, a high-performance resin now fully optimized for the production of corrugated tubing and commercially available

worldwide. Leading automotive OEMs have specified this durable, lightweight material to replace heavier and bulkier rubber tubing/metal clamp systems to develop more flexible and agile solutions for fluid delivery lines.

“The trend for engine downsizing puts pressure on auto engineers seeking room to install ever complex thermal management assembly systems as components compete for space in the engine bay,”

said Brian Baleno, Head of Marketing-Transportation at Solvay Specialty Polymers. “Corrugated tubing made from Ryton® PPS will significantly broaden the range of under-the-hood thermal management applications such as turbocharger exhaust gas recirculation circuits and ventilation and vacuum lines for fuel tanks, engine housings and crank-



case conveying vapor, gases or condensates.”

Solvay's Ryton® PPS has remarkable thermal stability up to 200°C (392°F), exceptional dimensional stability even at elevated temperatures and in harsh environments, mechanical strength, ductility, toughness, superior chemical

resistance and is inherently flame retardant.

“Developing a successful process to manufacture corrugated tubing from Solvay's Ryton® PPS demonstrates Maincor's processing knowledge and technical expertise,” said Manuel Zink, Head of Sales Automotive / Home Appliances and Special Applications at Main-

cor Rohrsysteme GmbH. “We worked closely with Solvay to improve weight savings and production efficiencies and to reduce costs. Post-extrusion thermofforming trials using XYZ coordinate axis ensured optimizing tube geometries to fit available space in engine bays for time-saving component assembly.”

Source : Solvay

DKSH India Wins the 2020 Gold Wacker Distributor Award

DKSH India's Personal Care Industry and Pharmaceutical Industry Business Lines were jointly honored with the Gold Wacker Distributor Award for their outstanding contribution, firm commitment and excellent performance in 2020.

Mumbai, India, April 20, 2021 – DKSH's Business Unit Performance Materials, a leading distributor of specialty chemicals and ingredients, has been reliably providing Market Expansion Services for Wacker in India. As their trusted partner, DKSH won this year's Gold Wacker Distributor Award for its initiatives to boost sales growth and its many successful product launches in new domestic personal care and pharmaceutical nutraceutical segments.



opportunities for Wacker's products by running a series of virtual customer programs and technical webinars. The virtual events



provided a platform to showcase how Wacker's products offer solutions in product innovation

and development.

DKSH is an instrumental partner for Wacker in India, supporting them in developing pioneering solutions. The recognition highlights DKSH's drive for holistic and collaborative product development and is a testament to its successful partnership with Wacker.

Amberin Motorwala, Sales and Business Development Manager, Wacker India,

commented: “DKSH India is a strong business partner to us. The company supported us to promote Wacker's nutraceutical portfolio in India through market expertise and a committed team.”

Shraddha Patil, Assistant Manager, Wacker India, commented: “Especially during a challenging year like 2020, DKSH has been a great support to us, helping us to continuously increase our market reach.”

Atul Nagarkar, Managing Director, DKSH India, added: “Receiving this prestigious award from our valued business partner, Wacker, is a great honor. Our sales teams continue to demonstrate high-level performance, provide regulatory support, offer extensive market coverage and deliver innovative solutions and ideas which support Wacker in their key growth areas. Our goal is to create an exceptional partner experience by being connected, proactive and accessible. I want to give special recognition to all those who were pivotal in this excellent achievement.”

Source : Press Release

DKSH India's personal care and pharmaceutical teams provided essential market-support to Wacker in India, especially by identifying and leveraging the latest industry and market trends. DKSH created new



Max Speciality Films Commercializes its New Advanced Metallizer Line; to Enhance Specialty Product Capabilities and Becomes Only BOPP Player with AlOx Technology for Transparent High Barrier

- MSFL continues to progress in its specialty journey with the commercialization of its first of the two planned additional metallizer lines today
- Metallizer lines will further enable MSFL to efficiently utilize its facilities to enhance its value-added and more profitable specialty product portfolio
- Second metallizer line is expected to be commercialized in Q3 of FY22

New Delhi, 20th April 2021: Max Ventures & Industries Limited's (MaxVIL) subsidiary Max Speciality Films Limited (MSFL), which manufactures specialty packaging films had announced in Dec 2020 that company will be installing two additional metallizer lines. MSFL has commenced first of the two metallizer lines today.

These two additional metallizer lines were planned as a part of MSFL's strategy to continue to embark on its specialty journey. Planned with a total capex of Rs. 600 Mn for two lines (Rs. 300 Mn for each), these metallizer lines will enable MSFL to enhance its value-added specialty product portfolio. This is in line with its focus since the last few years to co-create packaging films innovations

in consultation with leading FMCG companies.

Rs. 300 Mn for the first metallizer line was funded by MaxVIL and its Japanese partner Toppan in the proportion to their shareholding in MSFL, that is 51:49. The second metallizer line which is expected to be commercialized in Q3 of FY22 will be funded through internal accruals. These two additional lines are one of the newest and most technologically advanced with superior production capabilities. After the commercialization of second line, MSFL will have a total of 6 metallizer lines.

These state-of-the-art metallizer lines incorporates best in class technology and innovations in the manufacturing of sustainable specialty films with transparency, high barrier performance and superior appearance of the packaging. These specialty films are manufactured using sustainable materials with clear focus on recyclability

factor which is need of the hour.

Commenting on the commercialization, Sahil Vachani, MD & CEO of MaxVIL said, "We are very pleased to announce that with the commercialization of our latest metallizer line today, MSFL has entered a next leg of growth in its specialty journey. With the commercialization of this metallizer line and another on track to be commercialized in Q3 of FY22, MSFL will significantly enhance its capabilities in the specialty product portfolio catering to the high-end premium needs of the customers.

Increasing output of high value and more profitable value-added films will enable MSFL to further efficiently utilize its facilities and in turn improve the profitability and sustainability of the business. Developing recyclable films through extensive research and technology takes the topmost priority for us at MSFL. It gives us a great pleasure to co-work with the leading FMCG companies to develop sustainable and recyclable packaging materials with improved shelf life and thus caring for our environment and community."

Source : Press Release

Kamdhenu Limited Signs Preity G Zinta as Brand Ambassador for its Decorative Paints Business

New Delhi/Gurgaon, 15th April 2021 Kamdhenu Limited, a leading player in branded TMT bars and

in the decorative paints segment, has signed ace Bollywood celebrity and entrepreneur, Preity G Zinta as its Brand

Ambassador for their decorative paints business under the brand name KAMDHENU PAINTS. This collaboration



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PRODUCT LIST

1 Amino

AAKAR DYES AND CHEMICALS Pg 12

1 Naphthol

AAKAR DYES AND CHEMICALS Pg 12

2(4 Ethyl Benzol)

Mavani Chemicals Pvt. Ltd. Pg 11

2(4 Methyl Benzoyl)

Mavani Chemicals Pvt. Ltd. Pg 11

2, 6. Dihydroxy Naphthlene

AAKAR DYES AND CHEMICALS Pg 12

2 Naphthol

AAKAR DYES AND CHEMICALS Pg 12

3,6 Disulfonic Acid

AAKAR DYES AND CHEMICALS Pg 12

4- Sulfonic Acid

AAKAR DYES AND CHEMICALS Pg 12

6BA

Chemilife Enterprises Pg 9

6 Nitro

AAKAR DYES AND CHEMICALS Pg 12

A

Acetic Acid

KRISHNA SOLVECHEM LTD. Pg 10

Acetone

KRISHNA SOLVECHEM LTD. Pg 10

Acetonitrile

KRISHNA SOLVECHEM LTD. Pg 10

Acetophenone

KRISHNA SOLVECHEM LTD. Pg 10

Acetyl H. Acid

AAKAR DYES AND CHEMICALS Pg 12

Acid Green-16

AAKAR DYES AND CHEMICALS Pg 12

Acid Orange 156

Mavani Chemicals Pvt. Ltd. Pg 11

Acid Orange Liquid

HIREN ENTERPRISES Pg 13

Acid Yellow 36

Mavani Chemicals Pvt. Ltd. Pg 11

Acid Yellow 219

Mavani Chemicals Pvt. Ltd. Pg 11

Acrylonitrile

KRISHNA SOLVECHEM LTD. Pg 10

Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 11

Alpha Methyl Styrene

KRISHNA SOLVECHEM LTD. Pg 10

Amido G. Acid to Gamma Acid

AAKAR DYES AND CHEMICALS Pg 12

Amino ISO J Acid

AAKAR DYES AND CHEMICALS Pg 12

Ammonium Bi Carbonate

KRISHNA SOLVECHEM LTD. Pg 10

Aniline Oil

KRISHNA SOLVECHEM LTD. Pg 10

B

Basic Auramine Liquid

HIREN ENTERPRISES Pg 13

Basic Bismark Brown R

HIREN ENTERPRISES Pg 13

Basic Bismark Brown Y

HIREN ENTERPRISES Pg 13

Basic Brown R Liquid

HIREN ENTERPRISES Pg 13

Basic Brown Y Liquid

HIREN ENTERPRISES Pg 13

Basic Crysodine R (Powder)

HIREN ENTERPRISES Pg 13

Basic Crysodine Y Base (Solvent Orange 3)

HIREN ENTERPRISES Pg 13

Basic Crysodine Y (Crystal & Powder)

HIREN ENTERPRISES Pg 13

Basic Crysodine Y Liquid Pg 13

Benzoic Acid

KRISHNA SOLVECHEM LTD. Pg 10

Mavani Chemicals Pvt. Ltd. Pg 11

Beta Naphthol to G. Salt

AAKAR DYES AND CHEMICALS Pg 12

B.H.K. Acid

Mavani Chemicals Pvt. Ltd. Pg 11

BIS AZO

Mavani Chemicals Pvt. Ltd. Pg 11

Bitumen / Pet Coke / DMPAT

KRISHNA SOLVECHEM LTD. Pg 10

Blue TL

Mavani Chemicals Pvt. Ltd. Pg 11

BM Alizarine Red

Mavani Chemicals Pvt. Ltd. Pg 11

Bordo 3B

Mavani Chemicals Pvt. Ltd. Pg 11

Brassinolids

Chemilife Enterprises Pg 9

Butanol

KRISHNA SOLVECHEM LTD. Pg 10

C

C-IX

KRISHNA SOLVECHEM LTD. Pg 10

Cyclohexane

KRISHNA SOLVECHEM LTD. Pg 10

D

DEG

KRISHNA SOLVECHEM LTD. Pg 10

Dehydro Thio Based

Mavani Chemicals Pvt. Ltd. Pg 11

Di Ethyl Amine

KRISHNA SOLVECHEM LTD. Pg 10

Di Ethylene Tri Amine (DETA)

KRISHNA SOLVECHEM LTD. Pg 10

Di Iso Propyl Ether

KRISHNA SOLVECHEM LTD. Pg 10

Di Methyl Acetamide

KRISHNA SOLVECHEM LTD. Pg 10

Di Methyl Amine

KRISHNA SOLVECHEM LTD. Pg 10

Di Methyl Amine HCl

KRISHNA SOLVECHEM LTD. Pg 10

Dimethyl Carbonate

KRISHNA SOLVECHEM LTD. Pg 10

Di Methyl Formamide

KRISHNA SOLVECHEM LTD. Pg 10

Di Methyl Sulphoxide

KRISHNA SOLVECHEM LTD. Pg 10

DIPA

KRISHNA SOLVECHEM LTD. Pg 10

Direct Orange 118 Liquid

HIREN ENTERPRISES Pg 13

Direct Red 81 Liquid

HIREN ENTERPRISES Pg 13

Direct Violet Base

Mavani Chemicals Pvt. Ltd. Pg 11

Direct Yellow - 09

Mavani Chemicals Pvt. Ltd. Pg 11

Direct Yellow 11 Liquid

HIREN ENTERPRISES Pg 13

Direct Yellow 87 Base

Mavani Chemicals Pvt. Ltd. Pg 11

Di Sodium Phosphate

KRISHNA SOLVECHEM LTD. Pg 10



E

Edible Refine Salt

SKC INDUSTRIES LLP Pg 8

Epichlorohydrine

KRISHNA SOLVECHEM LTD. Pg 10

Ethylene Diamine (EDA)

KRISHNA SOLVECHEM LTD. Pg 10

Ethylene Dichloride

KRISHNA SOLVECHEM LTD. Pg 10

F

Formic Acid

KRISHNA SOLVECHEM LTD. Pg 10

G

Gibberlic Acid

Chemilife Enterprises Pg 9

Green - BL

Mavani Chemicals Pvt. Ltd. Pg 11

G Salt to Amido G Acid

AAKAR DYES AND CHEMICALS Pg 12

H

H Acid

AAKAR DYES AND CHEMICALS Pg 12

Heptanes

KRISHNA SOLVECHEM LTD. Pg 10

Hexane

KRISHNA SOLVECHEM LTD. Pg 10

Basic Brown Y Liquid Pg 13

HIREN ENTERPRISES Pg 13

Basic Brown Y Liquid Pg 13

Hydrazine Hydrate 80%

KRISHNA SOLVECHEM LTD. Pg 10

Hydrogen Peroxide 50%

KRISHNA SOLVECHEM LTD. Pg 10

Hydroxylamine Sulphate

KRISHNA SOLVECHEM LTD. Pg 10

I

Indole Acetic Acid

Chemilife Enterprises Pg 9

Indole Butyric Acid

Chemilife Enterprises Pg 9

Industrial Salt

SKC INDUSTRIES LLP Pg 8

Isobutanol

KRISHNA SOLVECHEM LTD. Pg 10

Isophorone

KRISHNA SOLVECHEM LTD. Pg 10

Isopropanol

KRISHNA SOLVECHEM LTD. Pg 10

Isopropyl Alcohol

KRISHNA SOLVECHEM LTD. Pg 10

J

J Acid

AAKAR DYES AND CHEMICALS Pg 12

M

Mamas Acid

Mavani Chemicals Pvt. Ltd. Pg 11

MCB

KRISHNA SOLVECHEM LTD. Pg 10

MDC

KRISHNA SOLVECHEM LTD. Pg 10

Methanol

KRISHNA SOLVECHEM LTD. Pg 10

Methylene Di Chloride

KRISHNA SOLVECHEM LTD. Pg 10

Methyl Ethyl Ketone (MEK)

KRISHNA SOLVECHEM LTD. Pg 10

Methyl Iodide

KRISHNA SOLVECHEM LTD. Pg 10

Methyl Iso Butyl Ketone (MIBK)

KRISHNA SOLVECHEM LTD. Pg 10

Methyl Metha Acrylate

KRISHNA SOLVECHEM LTD. Pg 10

Mono Chlorobenzene

KRISHNA SOLVECHEM LTD. Pg 10

Mono Ethyl Amine 70%

KRISHNA SOLVECHEM LTD. Pg 10

Mono Isopropyl Amine 70%

KRISHNA SOLVECHEM LTD. Pg 10

Mono Methyl Amine

KRISHNA SOLVECHEM LTD. Pg 10

Mono Sodium Phosphate

KRISHNA SOLVECHEM LTD. Pg 10

Morpholine

KRISHNA SOLVECHEM LTD. Pg 10

N

Naphthalene 2:7 Disulfonic Acid

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N-Butanol

KRISHNA SOLVECHEM LTD. Pg 10

Nitazine Yellow

Mavani Chemicals Pvt. Ltd. Pg 11

N-Methyl-2-Pyrrolidone

KRISHNA SOLVECHEM LTD. Pg 10

O

Orange ARL

Mavani Chemicals Pvt. Ltd. Pg 11

Orange Base

Mavani Chemicals Pvt. Ltd. Pg 11

Ortho Nitro Toluene

KRISHNA SOLVECHEM LTD. Pg 10

Ortho Xylene

KRISHNA SOLVECHEM LTD. Pg 10

P

Papas Acid

Mavani Chemicals Pvt. Ltd. Pg 11

Paraformaldehyde

KRISHNA SOLVECHEM LTD. Pg 10

Para Nitro Toluene

KRISHNA SOLVECHEM LTD. Pg 10

PCI5

KRISHNA SOLVECHEM LTD. Pg 10

Peracetic Acid

Chemilife Enterprises Pg 9

PH

Mavani Chemicals Pvt. Ltd. Pg 11

Phenol

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Phosgenated and Cyanuric Based

Mavani Chemicals Pvt. Ltd. Pg 11

Phosphate

KRISHNA SOLVECHEM LTD. Pg 10

Phosphoric Acid 85%

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Piperazine 68%

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Piperazine Anhydrous

KRISHNA SOLVECHEM LTD. Pg 10

Polyamines

KRISHNA SOLVECHEM LTD. Pg 10

Potassium Meta Bi Sulphite

KRISHNA SOLVECHEM LTD. Pg 10

Propylene Glycol

KRISHNA SOLVECHEM LTD. Pg 10

Pyridine

KRISHNA SOLVECHEM LTD. Pg 10

Q

Quinizarine (1-4 Dihydroxy Anthraquinone

Mavani Chemicals Pvt. Ltd. Pg 11

R

Raw Salt/Crystal/Coarse Salt

SKC INDUSTRIES LLP Pg 8

Red - 4G

Mavani Chemicals Pvt. Ltd. Pg 11

Red - HI

Mavani Chemicals Pvt. Ltd. Pg 11



S

Salt Free Dyes

Mavani Chemicals Pvt. Ltd. Pg 11

Silver Peroxide

Chemilife Enterprises Pg 9

Sodium Acid Pyro Phosphate

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Benzoate

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Chloride NACL 99%

SKC INDUSTRIES LLP Pg 8

Sodium Hexa Meta

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Meta Bi Sulphate

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Metal

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Methoxide

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Nitrate

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Nitrite

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Sodium Percarbonate

Chemilife Enterprises Pg 9

Sodium Sulphate

SKC INDUSTRIES LLP Pg 8

Sodium Sulphide Yellow Flakes

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Sodium Sulphite

KRISHNA SOLVECHEM LTD. Pg 10

Sodium Tri Poly

KRISHNA SOLVECHEM LTD. Pg 10

Stain Indicator

Mavani Chemicals Pvt. Ltd. Pg 11

S. Titan Yellow

Mavani Chemicals Pvt. Ltd. Pg 11

Styrene Monomer

KRISHNA SOLVECHEM LTD. Pg 10

Sulfuryl Chloride

KRISHNA SOLVECHEM LTD. Pg 10

Sulphur Dioxide

KRISHNA SOLVECHEM LTD. Pg 10

T

Tablet Salt

SKC INDUSTRIES LLP Pg 8

Tertiary Butanol

KRISHNA SOLVECHEM LTD. Pg 10

Tetra Hydro Furan

KRISHNA SOLVECHEM LTD. Pg 10

T G Urea

KRISHNA SOLVECHEM LTD. Pg 10

Thionyl Chloride

KRISHNA SOLVECHEM LTD. Pg 10

Tobias Acid

AAKAR DYES AND CHEMICALS Pg 12

Toluene

KRISHNA SOLVECHEM LTD. Pg 10

Tri Ethyl Amine

KRISHNA SOLVECHEM LTD. Pg 10

Tri Ethyl Ortho Formate

KRISHNA SOLVECHEM LTD. Pg 10

Tri Methyl Amine

KRISHNA SOLVECHEM LTD. Pg 10

Tri-n-Butyl Amine

KRISHNA SOLVECHEM LTD. Pg 10

TRIS AZO

Mavani Chemicals Pvt. Ltd. Pg 11

Tri Sodium Phosphate

KRISHNA SOLVECHEM LTD. Pg 10

Tropium Chloride

KRISHNA SOLVECHEM LTD. Pg 10

V

Vinyl Acetate Monomer

KRISHNA SOLVECHEM LTD. Pg 10

Violet 4B

Mavani Chemicals Pvt. Ltd. Pg 11

Y

Yellow ARL

Mavani Chemicals Pvt. Ltd. Pg 11

Yellow GL

Mavani Chemicals Pvt. Ltd. Pg 11

Yellow RL Base

Mavani Chemicals Pvt. Ltd. Pg 11

Was Your Catalytic Converter Stolen? Here's Why

WASHINGTON, April 22, 2021 — Catalytic converters cut down on toxic car emissions, and, according to the U.S. Environmental Protection Agency, they're one of the greatest environmental inventions of all time. Today, catalytic converter theft is on the rise, and that's partly because of their chemistry: <https://youtu.be/I1YLPfSuNXY>.

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Source : Press Release



will help enhance the brand's pan-India reach and recall, helping catapult the brand as the preferred consumer choice. With her wide appeal across demographics, Preity G Zinta's inclusion as the Brand Ambassador is set to blend perfectly with the ethos of the brand, aptly representing a modern woman who performs every role seamlessly.

A dedicated team of young and dynamic professionals is behind the success of Kamdhenu Paints. Kamdhenu Paints has made rapid strides within a short span of time. It has a well-diversified and premium product portfolio comprising of brands like Kamo Hi Sheen, Weather Supreme, Kamodual Luxury, Kamodual Gold, Kamorich, Velvety, Weather Classic, Weather Classic Max, Kamoshield, and Kamosilky etc. With a focus on sustainability, Kamdhenu Paints have made all their paint products eco-friendly ensuring that beauty of nature remains intact.

Commenting on the development, Mr. Satish Kumar Agarwal, Chairman & Managing Director, Kamdhenu Limited said: "We are excited on signing Preity G Zinta as Brand Ambassador for our decorative paints business. A suc-

cessful actress and entrepreneur, she exemplifies our dream of creating a world with limitless possibilities for everyone. Her personality completely resonates with our brand ethos of delivering the best. We believe this association will further deepen the brand's connect, increase brand recall, give users a greater sense of purpose and drive greater consumption across the country.

A young and growing brand in paints, we have been successful in creating a better revenue profile over the years through aggressive but necessary investments to build a sustainable business. Like all other Kamdhenu products, & #39; Quality & #39; and & #39; Innovation & #39; have enabled Kamdhenu Paints to excel with flying colours within a short span of time. We expect the rise

in disposable income of the average middle class, urbanization, growing rural market, shortening of repainting cycle, upgradation, increase in sale of premium-end products and launch of many innovative products to be the major drivers of growth in the years to come."

On her association with Kamdhenu, Preity G Zinta, said, "I am truly excited for my association with Kamdhenu Paints. I am happy to be a part of Kamdhenu family. Kamdhenu Paints is a reputed brand built on the touchstone of quality, integrity and commitment to its customers. There was a lot of common ground given the strong culture of innovation and the constant need to adapt to changing preferences. I look forward to our journey together."

Source : Press Release

Indo Count Plans Brownfield Expansion/ Modernization of Existing Capacities with Capex of Rs. 200 Crores

India, 18th March 2021: Indo Count Industries Ltd., one of India's largest Home Textile manufacturer, today announced that the Project Management Committee of the Board of Directors of the Company has approved expansion of its bed linen capacity by ~ 20% from its existing annual capacity of 90 Mn meters to 108 Mn meters by debottlenecking and balanc-



ing its facilities. Further, it proposes to make a brownfield investment for adding commensurate cut & sew facilities and for enhancing the capacity for Top of the Bed (TOB) products. This will entail a capex of ~ Rs. 150 crores.

The existing spinning unit of the Company will also be modernized with

compact spinning technology. This will entail a capex of ~ Rs. 50 crores. Post modernization, this capacity will also be used for captive consumption in the home textiles unit.

These investments are expected to increase the revenue by ~Rs. 600 crores over the next 2 years, post commissioning. The total capex will be ~ Rs. 200 crores and will be funded by a mix of internal accruals and debt and is expected



EVENTS AND CONFERENCES

MIDDLE EAST SPECIALTY CHEMICALS SHOW

Date: June 15, 2021

City: DWTC, Dubai, UAE, Dubai

Country: United Arab Emirates

Website: <https://www.fibre2fashion.com/trade-fairs/middle-east-specialty-chemicals-show-2021-57741>

Description: Co-located with Middle East Coatings Show 2021, we have broadened our reach to provide you with new opportunities to help you reach new clients, increase awareness for your company and much more... With our experience of attracting the leading names in the coatings industry for over 30 years we will bring owners and directors of companies, giving you the opportunity to meet an extremely high number of decision makers all under one roof. The Coatings Group are offering you the chance the leadings names in the speciality chemicals market at the Middle East Speciality Chemicals Show.

ASIA PACIFIC COATINGS SHOW

Date: September 01-03 2021

City: Jakarta Convention Center, Jakarta

Country: JIndonesia

Website: <https://10times.com/coatings-show>

Description: Asia Pacific Coatings Show is the leading coatings event in South East Asia and the Pacific Rim for raw materials suppliers and equipment manufacturers for the coatings industry. See the very latest innovations, solutions, products and services from the world leaders in the coatings industry at the Asia Pacific Coatings Show. It will be promoting the latest paint and coatings technologies for the region's environmental, manufacturing and industrial needs and provides a fantastic opportunity to network with both local and international exhibitors.

CHEMUK 2021 EXPO

Date: Sept 15-16, 2021

City: NEC, Birmingham, UK

Country: UK

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

Description: CHEMUK is the UK's only trade show dedicated to bringing together the multi-layer Chemicals/Chemical Product development, specification & processing/manufacturing communities, with crucial supply chain supplier groups. With some 2,500+ specialist businesses contributing to the UK's chemical industry – embracing raw materials, chemicals, intermediates & consumables, equipment & apparatus, high tech innovation streams, sub-contracting & business services and much more, CHEMUK is the event where the UK's chemical industries meet.

EXPO PAINT AND COATINGS

Date: July 8-10, 2021

City: New Delhi

Country: India

Website: <https://expopaintcoating.com>



EVENTS AND CONFERENCES

Description: Expo Paint & Coatings - 2020 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 - 2020 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.

COATINGS FOR AFRICA 2021

Date: June 2-4, 2021

City: Sandton Convention Centre

Country: Johannesburg, South Africa

Website: <https://www.tradeindia.com > tradeshows > coatings-for-af..>

Description: Coatings For Africa 2021 is South Africa's dedicated event and trade show, connecting the entire paint and coatings value chain, from raw material suppliers to end users of the finished product. Coatings For Africa 2021 is the ideal place to discover the latest trends affecting the region's environmental, manufacturing and industrial needs and provides a fantastic networking opportunity for the coatings industry. Exhibitor product profile are based on additives, biocides, chemicals, extenders and fillers, oils, pigments, polymers, resins, solvents, waxes, accelerated weathering, gloss and color measurement and control, corrosion testing, instrumentation, testing labs services offering physical testing, dispersers, drums, filters, mixers, process control, pumps, labeling, filling and packaging, tinting systems, color forecasting, color cards, health and safety and fire protection.

CPHI NORTH AMERICA

Date: August 10-12, 2021

City: PA, USA Pennsylvania Convention Center, Halls CDE

Country: Philadelphia

Website: <https://www.cphi.com/northamerica/en/home.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.

Event information may be out of date due to the coronavirus (COVID-19). Confirm details with event organisers. This page was last updated on June 9th 2020



to be operational in H2 of FY 2022.

Commenting on the above, Mr. Anil Kumar Jain, Executive Chairman of Indo Count Industries said, “These investments will

lay foundation for the next phase of growth for the Company. The investment in modernization and technological upgradation will further enhance our prod-

uct offering capabilities to our customers and grow the market share of the Company in bedding products category.”

Source : Press Release

Some Like It Hot

- LANXESS expands range of heat-resistant yellow pigments for high-performance polymers
- Tailor-made pigments for the various levels of heat stability required
- Optimized price-performance ratio for coloring high-temperature plastics

Cologne – Specialty chemicals company LANXESS has expanded its Colortherm Yellow pigment range for heat-resistant high-performance plastics. Two new inorganic yellow pigments are now available, namely Colortherm Yellow 5 and Colortherm Yellow 26. They are based on iron oxide and zinc oxide respectively and specially designed for cost-effective coloration in a temperature range of between 220°C and 260°C. With equally high color strength at the same color space, they offer plastics manufacturers and processors an excellent compromise between the best-in-class Colortherm Yellow 20 and Colortherm Yellow 30 products, which are heat stable up to 300°C.



Thermal stability as a quality factor

Plastics can now be used in applications that would have been considered impossible just a few years ago. High-performance polymers with special physical or chemical properties are increasingly replacing metal, glass and ceramics. They

are used for special applications in vehicles, electronics and process engineering as well as medical applications. As the use of technical plastics in high-tech applications becomes more widespread, the requirement profile for the pigments used for coloring is also growing. In particular, the heat stability of the colorants is becoming a decisive quality factor. In the case of organic pigments, high processing temperatures often lead to accelerated decomposition; but inorganic alternatives can be subject to color variations at temperatures above 180°C. For reliable yellow coloring of high-temperature polymers, LANXESS offers the modular Colortherm Yellow product range. It comprises the iron oxides Colortherm Yellow 5 and Colortherm Yellow 20 as well as Colortherm Yellow 26, Colortherm Yellow 30 and Colortherm Yellow 3950 zinc ferrites. The range covers not only the color spectrum of light, saturated yellow shades but also orange tones. Plastic formulations can thus be easily real-

ized at processing temperatures of up to 300 °C.

Due to their special manufacturing process, the color strength of the zinc ferrites Colortherm Yellow 26 and Colortherm Yellow 30 is up to 20 percent higher than comparable products. This means a corresponding lower level of pigment addition is required to color

the plastic.

“The special feature of our Colortherm Yellow product range is the high flexibility in pigment selection,” said Stefano Bartolucci, Global Market Segment Manager for Plastics at the Inorganic Pigments business unit at LANXESS. Depending on the type of plastic, the pigments used can mean that varying levels of thermal stability are required – or, to put it more accurately, are sufficient. “In the case of coloring polyethylene, for example, it is sufficient for the pigments used merely not to exhibit any color changes at processing temperatures of around 240°C. However, for applications using polyamide, polypropylene and polyphenylene sulfide, thermal stability of around 300°C is essential,” explained Bartolucci. “By expanding our Colortherm Yellow range of special pigments, we have given processors the option to choose the right pigments for them, tailored to suit the type of plastic to be colored and the requisite thermal stability,” he added.

Thanks to an extensively equipped plastics technical center, LANXESS is able to provide customers with comprehensive advice in the use of its pigments. Its services also include analyzing thermal stability in customer-specific plastics applications. “From sample-loading to colorimetric analysis, all the necessary modules can be actuated via automated processes. This allows us to carry out highly specific tests with the highest accuracy,” said Bartolucci.

Source : Press Release



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