2021 ADHESIVE & SEALANT
CONVENTION
ANNUAL CONFERENCE + EXPO

OCTOBER 25-27
2021
OMNI ORLANDO RESORT AT CHAMPIONS GATE, FLORIDA

FINAL PROGRAM & EXHIBIT GUIDE
A FOCUS ON THE FUTURE

- Daily Program
- Educational Sessions
- Keynotes
- Sponsors
- Exhibitors
- EXPO Map
- And More!

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Regulatory & Circular Economy Education Sessions - Tuesday AM

JOWAT
Formulating for Advanced Performance Education Sessions - Wednesday AM

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WELCOME From the ASC Board of Directors & ASC Staff

Welcome to the 2021 Annual Convention & EXPO. Should you need assistance during the convention, do not hesitate to ask one of the following:

ASC Board of Directors

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Sangeetha Subramanian
Marketing Director ITW Performance Polymers

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David White
Senior Vice President Sika Corporation

Charles Williams, Jr.
Senior Global Technical Director Avery Dennison

William Allmond, Ex-Officio Member
President The Adhesive and Sealant Council

*Non-voting

ASC Onsite Staff

Bill Allmond
President

Malinda Armstrong
Senior Director, Meetings & Expositions

Steve Duren
Managing Director, Membership & Industry Programs

Connie Howe
Senior Director, Technical Services

Valeryia Mikharava
Director, Finance & Administration

Myranda Nickoloff
Sr. Manager, Membership & Database Services

Mike Socha
Consultant, KDG Marketing

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GENERAL CONVENTION INFORMATION

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Registration/Information Hours
Rotunda, Lower Lobby Level
Monday, October 25 6:30 a.m. – 6:30 p.m.
Tuesday, October 26 6:30 a.m. – 5:30 p.m.
Wednesday, October 27 6:30 a.m. – 1:00 p.m.

Speaker Ready Room
Wentworth, Lower Lobby Level
AVPG is the audio-visual needs provider. Speakers may prepare for and/or make changes to their presentations in the Speaker Ready Room. Check with the ASC staff at the Registration Desk if audio/visual technicians are unavailable to assist you.

Coffee & Networking Lounge
International Ballroom Foyer, Lower Lobby Level
Tuesday, October 26 and Wednesday, October 27
9:00 – 11:00 a.m. and 1:00 – 3:00 p.m.

Convention App
Great for viewing session info, speaker bios, scheduling, networking, and viewing the attendee list. To download the App, visit your devices’ App Store and search “ASC Convention & EXPO,” visit the convention page at ascouncil.org, or stop by the ASC registration desk for assistance.

Speaker Presentations Online*
In keeping with the ASC’s continuing efforts to make our events more environmentally friendly, hard copies of presentations will not be available. Speaker presentations will be made available to all Full Paid attendees on the ASC website following the convention.

*Not all presenters have authorized ASC to publish their presentations.
EVENT SAFETY PROTOCOLS

AS we welcome you back to our face-to-face event, we want to ensure the health and safety of your time onsite. ASC will implement the below safety guidelines onsite.

Registration

Badges will be available for pick up at ASC’s Express Pass Badge Kiosk. Check your email for your meeting confirmation which contains a QR code to be scanned when printing your badge. Badges must be worn at all times.

We also encourage you to download the convention app to access the online program, schedule meetings and contact attendees. Please locate the social distance decals when picking up your badge.

Masks

If you are unvaccinated, ASC strongly recommends masks are worn at all times when not actively eating or drinking. ASC will provide a limited number of masks.

Self Pre-Check

Prior to entering the meeting space, we ask that you stop by to have your temperature check each morning. There will be a temperature check kiosk available.

Social Distancing

We ask that all attendees continue to practice social distancing. The meeting and event space will be set for social distancing. To help ease the comfort of others stop by the registration area to pick up a bracelet and share you comfort levels.

Red – Social Distancing Please
Yellow – Elbows Only
Green – Handshakes and Hugs

Surface Cleaning

Omni will ensure that the meeting space and surface throughout the event space is cleaned daily. The hotel staff will be required to wear masks when working with ASC staff and attendees.
Program Planning Committee

Thanks to the following Program Committee volunteers for another outstanding Program:

Andrew Andrade – Advanced Polymer, Inc
Bill Arendt – Velsicol Chemical LLC
Emily McBride – LANXESS
Jignesh Sheth – Henkel Corporation
Malinda Armstrong and Connie Howe – ASC Staff Advisors

Please Welcome Our Newest Members*

- Advanced Polymer, Inc.
- Aramco Performance Materials
- Colquimica Adhesives
- ICP Group
- Mon Eco Industries Inc.
- Scott Bader Inc.
- Selena USA
- SI Group
- Sulzer Mixpac

*as of October 1, 2021

Please recycle this program when done.

Omni Hotel Shuttle Service

The Omni provides complimentary 14-passenger shuttle that goes from Omni to the Ticket Transportation Center (between Magic Kingdom and Epcot). It is on a First Come, First Serve basis and guest must reserve a ticket at the Bell Stand in the main lobby. The entire trip is about 20-25 mins.

- Please make a reservation at least 24 hours in advance, same day reservations are not guaranteed.
- See Bell Stand or Front Desk for Reservations.
- Shuttle returns will pick up in the same area as drop off. Return shuttles may make one additional stop.
- If you are unable to locate the return shuttle, please contact the shuttle driver’s number at (321) 437-8129
- Please allow up to 48 hour notice for transportation that requires a chair lift or other ADA accommodations.
- Child Seats are not provided.
Monday, October 25

7:30 a.m. – 5:00 p.m. **Waterborne Short Course** (registrants only)
*Congressional Meeting Room, Lobby Level*

1:00 – 5:00 p.m. **ASC Board of Directors Lunch & Meeting**
*Colonial Meeting Room, Lobby Level*

5:30 – 6:00 p.m. **First Time Attendee & New Member Reception** (invite only)
*International Ballroom III, Lower Lobby Level*
This exclusive invite only reception provides an opportunity for new members and first-time attendees to ask questions about ASC program/services and to meet with ASC Board of Directors and staff.

6:00 – 9:30 p.m. **Monday Welcome Reception**
*Osceola Event Lawn (from main building meeting space)*
Join ASC and the Board of Directors as we kick off the Annual Convention. Don’t miss your opportunity to catch up with colleagues during a fun filled evening at the Omni Resort. Gather your peers to create teams to compete with some outside games or just relax with a beverage and enjoy the conversation. **PLEASE PICK UP YOUR BADGES FROM ASC REGISTRATION DESK PRIOR TO ARRIVING.**
*Attire: Casual. Wear your favorite team jersey.*
Tuesday, October 26

6:00 – 7:00 a.m.  
**ASC Fun Run/Walk**  
*Omni Lobby, Lobby Level*  
Meet in the hotel lobby at 6:00 a.m. for a walk or run around the Par 3 (pre-lit) course and do 5 laps to stretch prior to the start of the morning education sessions.

7:30 – 9:00 a.m.  
**OPENING GENERAL SESSION**  
**BREAKFAST & KEYNOTE**  
*International Ballroom, Lower Lobby Level*  
**Moving Forward**  
*Catherine Putney, Economist, ITR Economics*  
2020 was quite a year. We will explore all the changes that have occurred in the economy and what they mean to your future. The pandemic, government responses, burgeoning opportunities and lagging sectors will be examined. These forces will shape the trends ahead and drive your tactics and strategies. One thing will not change, successful businesses will have to constantly adapt to a sea of changing circumstances. The US economy and the corresponding impact to various key industries will be examined. We will also: 1. Assess the macroeconomic environment and the outlook for 2021 and into 2022. 2. Look at a system of key leading indicators that are proven to signal cyclical turns in the economy. 3. Present clear, actionable Management Objectives™ that are right for the coming years as we adapt to the ‘new normal’.

7:30 a.m. – 1:00 p.m.  
**Waterborne Short Course** *(registrants only)*  
*Congressional Meeting Room, Lobby Level*
Morning Education Sessions
9:15 a.m. – 12:15 p.m.

Education Track 1:
Feedstocks & Supply Chain
Royal Dublin, Lower Lobby Level

9:15 to 10:00 a.m.
Oil & Gas Feedstocks in a Post-COVID Recovery
Uday Turaga, Founder & CEO, ADI Chemical Market Resources
This presentation will draw on ADI Chemical Market Resources’ research and consulting work to detail the historical content, identify the key challenges around oil and gas feedstock supply today, and paint a few scenarios of the future going forward. In addition to oil and gas feedstocks, this talk will leverage our experience in alternative feedstocks to discuss their outlook in the future. Finally, key strategic implications for various stakeholders will be identified and discussed.

10:00 to 10:45 a.m.
Hydrocarbon Based Tackifiers: The Capacity Growth Story Continues
Steven Williams, VP, C5 and Hydrocarbon Resins, Argus Media
In this presentation, we will examine the capacity trends in hydrocarbon tackifier production from 2015 thru the present and look at capacity additions which have already occurred along with those which may occur over the next several years. We will highlight trade flows from key producing countries and how these have evolved over that same time period. Finally, we will examine how the make-up in production capacity has changed since the middle of the last decade and how the list of key producers now contains a number of new faces moving to the top of the production hierarchy.

10:45 to 11:30 a.m.
There and Back Again- Global Supply Chain Bottlenecks
Anton Posner, CEO, The Mercury Resources
What are the factors that contribute to the current shipping chaos surrounding the importation of goods? Supply chain challenges range from skyrocketing ocean freight costs, port delays and disruptions in truck and rail. Understand the history, drivers, dynamics and constraints of each of these transport modes, the potential outcomes from the Infrastructure Bill and what to expect in the future.

11:30 a.m. to 12:15 p.m.
North American Market Report for Adhesives and Sealants with a Global Overview
James Swope, Chief Commercial Officer, Chemquest Group
This presentation will provide an overview on the adhesives and sealants market in North America with a global overview.
9:15 to 9:45 a.m. **ASC’s Regulatory Advocacy and Sustainability Objectives and Initiatives**  
*Bill Allmond, President, Adhesive and Sealant Council*  
Bill Allmond will provide details of ASC’s regulatory advocacy and sustainability objectives and initiatives under ASC’s new Long Range Plan. In April 2021 the ASC Board of Directors approved a new strategic plan that will guide ASC’s resources and strategic direction focused on three key areas – advocacy, end user engagement, and sustainability.

9:45 to 10:15 a.m. **The European Green Deal - Business Impact of Upcoming Regulation on the Adhesive and Sealant Industry**  
*Kristel Ons, Secretary General, FEICA – Association of the European Adhesive & Sealant Industry*  
In this presentation, Kristel Ons, Secretary General of FEICA, will explain some of the strategic plans under the EU Green Deal, such as the Chemical Strategy for Sustainability, the Renovation Wave and the Circular Action Plan 2.0, and its impact on the adhesive and sealant industry.

10:15 to 10:45 a.m. **Group Discussion**  
*Bill Allmond, President, Adhesive and Sealant Council*  
Please join us for a group discussion about current regulatory challenges, trends, and developments at the federal and state level impacting adhesives and sealants. ASC President Bill Allmond will facilitate a discussion about these issues and how ASC and its members can positively influence their outcome.

9:15 to 9:45 a.m. **Hybrid Polyurethane-Epoxy Adhesives: Improved Properties while Toughening the Bond**  
*Jay Johnston, Senior Scientist, Covestro LLC*  
A new low viscosity blocked polyurethane prepolymer will be presented which toughens, improves the impact resistance, increases the cure rate, improves elongation, and increases adhesion, of model and commercial epoxy adhesives. The new blocked prepolymer also contains some bio-based content.
9:45 to 10:15 a.m.  What is a Pressure Sensitive Adhesive and Why It Matters to Building and Construction

Martin Widenbrant, Product Development Specialist, 3M Company

Pressure Sensitive Adhesives (PSA) play a key role in the building process; they are critical for the performance and durability of a building. This presentation will discuss the key properties of a PSA and the evolution of construction tapes.

10:15 to 10:45 a.m.  Latex Innovations for Adhesives and Sealants for Building & Construction Markets

Ron Grieb, North America Technical Director, Arkema

Building construction has evolved significantly in the 21st century to address the increasing focus on Sustainability. Changing specifications, emerging needs for adhesives and sealants, and some Innovations in Acrylic latex polymers to address them will be presented.

10:45 to 11:15 a.m.  Effects of Polymeric Diphenylmethane Diisocyanate Modified Halloysite on the Thermal Performance of Polyurethane Reactive Adhesive for Cross-laminated Timber Applications

Hale Oguzlu-Baldelli, Postdoctoral Fellow, University of British Columbia

This presentation will explain the enhancement in thermal properties of polyurethane reactive (PUR) adhesive systems with the addition of polymeric diphenylmethane diisocyanate (pMDI) modified halloysite in the engineered wood products industry.

11:15 to 11:45 a.m.  Improving the Production and Performance of Adhesives and Sealants with Innovative Rheological Additives

Christopher Sieto, Marketing Manager, Elementis

The rheological properties of an adhesive or sealant are vital to its success in the market. A well formulated adhesive or sealant has balanced rheological properties, easy but controlled application, high sag or slump resistance with good storage stability. Selecting the right thickener in the adhesive or sealant formulation allows the manufacturer the ability to design the right characteristics that are needed for a specific end use. Organic thixotropes are castor oil or polyamide based materials that are especially useful in creating high performance construction sealants, caulks, adhesives, and mastics. These additives provide outstanding efficiency for viscosity build, sag control, and are shear thinning for easy dispensing. The new generation of THIXATROL® Rheological Additives can enable manufacturers to meet productivity and sustainability targets. The natural source and the ability to be activated at significantly lower temperatures enables increased production with lower cost in use.

11:45 a.m. to 12:15 p.m.  Biobased Epoxy Resin

Mojgan Nejad, Assistant Professor, Michigan State University

The phenolic structure of lignin makes it a good candidate for replacing toxic bisphenol-A (BPA) in epoxy resin formulation. However, it is not known how different lignin properties will affect its reactivity toward epichlorohydrin (ECH). We measured physical, chemical, and thermal properties of thirteen different lignin samples from various sources (hardwood, softwood, bagasse, and wheat straw), and isolated through different extraction processes (kraft, soda and organosolv). Then the reactivity of these lignins with a biobased epichlorohydrin were measured following a modified version of ASTM D1652 test method and nuclear magnetic resonance spectroscopy (NMR). Our modelling results showed that lignins which have lower molecular weights and higher phenolic hydroxyl contents are more suitable for replacing bisphenol-A in epoxy resin applications. Additionally, we used the lignin with highest reactivity toward ECH and formulated fully biobased epoxy resins using lignin, biobased epichlorohydrin and biobased curing agent.
12:30 to 1:30 p.m.

**GENERAL SESSION LUNCH**

*International Ballroom, Lower Lobby Level*

ASC Industry Update & Awards Presentation

Bill Allmond, President, Adhesive & Sealant Council (ASC)

Join President Bill Allmond as he summarizes how ASC is delivering value to the membership and the adhesive & sealant industry through ASC’s new 2024 Long Range Plan.

**2021 ASC INNOVATION AWARDS**

Recipients of the 2021 ASC Innovation Award will be announced and recognized. ASC’s prestigious Innovation Award recognizes outstanding companies that differentiate and make significant impacts in the marketplace through innovation. Additionally, recipients of this year’s ASC Scholarship Program will be announced as well as graduates of the ASC Training Academy Certificate Program. Directly after the presentation, take the opportunity to network with your industry peers.

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*Learn more at [www.ascouncil.org](http://www.ascouncil.org)*
Afternoon Education Sessions
1:45 – 4:45 p.m.

Education Track 1:
Reflections on Covid Challenges- A Look to the Past for a Better Future
Royal Dublin, Lower Lobby Level

1:45 to 2:05 p.m.

Dan Murad, President & CEO, Chemquest Group
The adhesive industry is at an inflection point cause by the Covid-19 “black swan” event. The global pandemic posed significant challenges and exposed fundamental weaknesses, shifting global macro trends, changing consumer behaviors, supply chain relocation and raw material constraints. This paper will provide background on how we got here, comment on major trends and discuss sustainable growth implications.

2:05 to 2:25 p.m.

Learnings from Operating through a Pandemic
Heather Campe, Senior Vice President, H.B. Fuller Company
The COVID pandemic changed the way businesses operated overnight. Safety has always been the top priority in the adhesives industry, yet COVID challenged leaders to protect employees from an unprecedent safety risk. The importance and strength of business continuity plans were put to the test. Communication with customers, suppliers and employees was taken to a new level. While it is not over, this session will reflect on key learnings from operating through a pandemic.

2:25 to 2:45 p.m.

Narrow Supply Chain in the Covid Environment
Bill Blackmer, Global Purchasing Director, Quad Graphics
This presentation will discuss the narrowing of the supply chain in the Covid environment.

2:45 to 3:05 p.m.

Risk Mitigation: Lessons Learned from Katrina to COVID
Fran Brady, Consultant, Not No – But How!
Crisis management seems to be a full-time job now. The adhesive raw material supply chain has seen numerous disruptions over the years from a myriad of causes, but COVID-19 seems to have added the need for a new page in the Supply Chain manager’s playbook. Significant disruptions from rapid unanticipated changes in customer demand and complete country shutdowns in Asia have wreaked havoc on raw material supply chains. We will examine similarities with previous disruptions and provide mitigation strategies to help you create a more resilient adhesive raw material supply chain.

VIRTUAL

VIRTUAL

VIRTUAL
Connecting the Dots: Making Sense of Raw Materials Chaos for Customers

Anne Sasso, Consultant, WaterRock Communications, LLC

Pandemic-related supply/demand gyrations, hurricanes, logistics bottlenecks, unexpected outages, Winter Storm Uri, floods, fires—the list of recent hits to the adhesives raw materials supply chain is seemingly unending. Amidst such volatility, customers look to their suppliers for answers: What’s going on? When will markets normalize? Will you be able to supply? In a crisis, adhesives companies are asked to put raw materials markets into context and deliver information in clear, concise dispatches that customers can quickly understand and communicate upwards. This presentation will provide insight on how to proactively control the narrative and communicate more effectively with customers about raw materials disruptions in the next crisis.

Q&A – Dan Murad, Moderator

Education Track 2:
Innovation Awards & Mix and Dispense Technologies

Royal Melbourne, Lower Lobby Level

1:45 to 2:15 p.m. Innovation Award Runner Up #2
2:15 to 2:45 p.m. Innovation Award Runner Up #1
2:45 to 3:15 p.m. Innovation Award Winner
3:15 to 3:45 p.m. Continuous Adhesive Compounding & Mixing Using a Planetary Extruder

Michael Batton, Over Seas Sales Director & Process Engineer, ENTEX RUST & MITSCHEK GmbH

Presentation will provide developments and advantages of continuous mixing and reactive extrusion of thermoplastics, elastomers, thermoset adhesives and hotmelts using Planetary Extruders. Including independent control of mixing, residence time, material temperature control and degassing.

3:45 to 4:15 p.m. An Update on Emission Control Technologies and Techniques

William Weingart, Application Engineer, Anguil Environmental Systems, Inc.

New emission control technologies and techniques are currently available to reduce downtime while lessening the capital costs and operating expenses associated with air pollution control systems.

4:15 to 4:45 p.m. Achieving Success with Your Automated Adhesive and Sealer Dispensing System

Michael Bonner, VP-Engineering & Technology, Saint Clair Systems Inc.

The outcome of advanced automated adhesive and sealer dispensing systems is determined by the physical properties of the fluid being dispensed. In this presentation we examine how variations in viscosity negatively impact a fluid’s performance during application.
1:45 to 2:15 p.m. The Case for Styrene-Butadiene Adhesives
Ibrahim El-Hedok, Sr. Adhesives Applications Chemist, Mallard Creek Polymer
While Styrene-Butadiene (SB) Latex represents a small market share, SB polymer’s unique properties, such as water resistance & strong filler binding, are attracting more users. This presentation will cover the polymer chemistry of emulsion SB with its impact on Adhesion and polymer rheology.

2:15 to 2:45 p.m. Improved Rheological Profile and Stability of 2K Waterborne Polychloroprene Dispersion Adhesives
Otto Soidinsalo, Technical Application Manager, Borregaard
In the present study, the potential as well as compatibility of high concentration MFC paste (10 w%) as a rheology modifier for 2K waterborne polychloroprene dispersion adhesives was evaluated in terms of rheology and adhesive properties.

2:45 to 3:15 p.m. Formulating for Viscosity Stability in Polyvinyl Acetate Adhesives
Emily McBride, R&D Applications Manager, LANXESS
This presentation will discuss the impact of binder and plasticizer selection on adhesive viscosity stability.

3:15 to 3:45 p.m. Waterborne Acrylic Dispersions as Contact Adhesive for Foam Bonding
Yang Li, Senior Scientist, Synthomer
This presentation will discuss contact adhesives for foam bonding. We will describe acrylic dispersions which are stabilized in a way that they can be used for 1K or 2K spray and roller applications, just like chloroprene based dispersions are used today.

3:45 to 4:15 p.m. Optimizing Your Preservation Efficacy in a Manufacturing Facilities through Implementing a Plant Hygiene Protocol
Cecilia McGough, Technical Marketing Manager, LANXESS Corporation
The presentation will help manufacturers of water based adhesives and tackifiers protect their products from microbial growth.

4:15 to 4:45 p.m. New Biocide Approved for Adhesives in US Market
Stephen Foster, Applications Chemist, LANXESS
The preservative/biocide options are constantly under attack and shrinking due to new labelling regulations, market drivers, and supply chain constraints. EPA registration no. 91212-1, sodium benzoate, has recently obtained full US/state approvals under EPA/FIFRA for use as an “In-Can” registered biocide for waterborne
adhesive applications in the United States market. Sodium benzoate is a robust preservative with a lengthy food preservative history and is efficacious versus bacteria, yeast, and mold. The thermal and chemical stability advantages of sodium benzoate will be discussed in relation to formulation and processing. This presentation will cover critical parameters to working with acid/salt preservatives, namely pKa and pH and their impact on efficacy versus microbes. To conclude, a preservative case study of a homopolymer polyvinyl acetate resin will be presented that highlights the importance of formulating variables to obtain best results.

5:00 to 8:00 p.m.

TUESDAY NETWORKING RECEPTION & ASC GIVES BACK PROGRAM

Ballroom Commons, Lower Lobby Level
(Weather backup - National Ballroom)

On Tuesday evening we will gather for a second evening of networking. During the reception we will also be hosting ASC Gives Back Program sponsored by Kraton. During our volunteer experience, you and your team will experience first-hand the magic of the Give Kids The World Village and make a lasting impact on our families.

While volunteering, you will be helping construct the materials used during nightly parties at the Village. Many families have to miss special holidays and milestones, at the Village, they want to make sure they can experience everything they could have missed before. Every night at Give Kids The World, they host a nightly party for families; Halloween, Birthday, Slumber Parties, Princess and Pirate Party, and event Santa makes a very special trip every Thursday. Through our volunteer experience, you will help make lasting memories for the families.
Adhesive and Material Challenges in VR/AR Devices
Brian Toleno, Manager, Advanced Materials, Facebook Reality Labs

The consumer electronics industry continues to introduce not only new features into devices, but entire new classifications of devices. All these new devices and continue to pack more “electronics stuff” into smaller and organic (i.e. not square) form factors.

One growing category of devices in this space are augmented and virtual reality (AR/VR) headsets. Investment into this space is significant, for example Digi-Capital’s AR/VR Analytics Platform tracked $4.1 billion in AR/VR investment in 2019 and Statista projects the AR & VR market to grow to 124 B USD in 2023. These devices pose some unique challenges with respect to not only the optical requirements, but the electronics to drive these systems. Together we will explore the current technology employed to build these devices and discuss the unique material challenges to enable future technologies in this exciting area.
Morning Education Sessions
9:15 a.m. – 12:15 p.m.

Education Track 1:
Sustainability Approaches: Feedstock to Process Considerations
Royal Dublin, Lower Lobby Level

9:15 to 9:45 a.m.  Extended Producer Responsibility (EPR): What Does This Mean for Your Products
Chris White, Senior Managing Scientist, Exponnet
Extended Producer Responsibility (EPR), Scope 3 declarations, and a suite of other requirements are becoming common in the marketplace. These requirements fundamentally change the responsibility of who “owns” throughout its intended use. This presentation will explore this changing landscape of requirements, the drivers of these changes and how strategies to adapt.

9:45 to 10:15 a.m.  Sustainability Approaches and Developments in Material Science
Kyle Anderson, TS&D Scientist, Dow Inc.
With the ambition to be one of the most sustainable material science companies, Dow is using a multi-faceted approach to bring more sustainable solutions to the adhesives industry by developing new hot melt adhesives polymers that is based on bio-sourced waste feedstock.

10:15 to 10:45 a.m.  Reduce Plastic Waste with Collapsible, Multi-layer, Film Packaging for 2K Materials
Robert Lindsey, Product Manager, Sulzer
This presentation will provide information to show how a collapsible package can save cost throughout the whole value chain and significantly reduce plastic waste in the waste stream.

10:45 to 11:15 a.m.  Soy-based Quick Setting Room Temperature 2-part Adhesive
Dylan Karis, Lead Chemist, Airable Research Labs
This presentation will provide a summary of the work performed by our lab to develop a soy-based adhesive as an alternative to BPA-based resins.

11:15 to 11:45 a.m.  Advances in VOC-Free, Renewable Adhesive Technology for Elevated Temperature Applications by Gamma Irradiation & Cross-Linking
Wen Jiang, Student, Purdue University
This presentation presents recent results for elevated temperature applications of Polylactic-acid (PLA) adhesives, which application is achieved via gamma Irradiation & cross-Linking.
9:15 to 9:45 a.m.  **New Acrylate Based Adhesives for Bonding in Extreme Conditions**  
*Matthew Freeman, Technical Service Specialist, Huntsman Corporation*  
This presentation will discuss a new series of acrylate adhesives which can accelerate bonding operations even in extreme conditions, such as -20°C to 40°C operating temperature, bonding in humid areas and even under salt water.

9:45 to 10:15 a.m.  **Expanding the Cure Window of One-Component Structural Adhesives**  
*Marvin Pollum, Senior Research Chemist, PPG*  
The rapid acceleration of vehicle electrification has pushed the necessity of lightweighting and the implementation of mixed material designs. At the same time, battery pack protection has become a priority in vehicle safety. The concept of an expanded cure window structural adhesive is gaining.

10:15 to 10:45 a.m.  **Why 1.5-Nanometer Titanates and Zirconates Are Different Than Silanes**  
*Salvatore Monte, President, Kenrich Petrochemicals, Inc.*  
Neoalkoxy titanates/zirconates couple differently via in situ surface proton (H⁺) coordination compared to silane (OH⁻) condensation mechanisms allowing adhesion to organic/inorganic interfaces. Silane hydrolysis leaves detrimental water of condensation on the interface effecting aged adhesion.

10:45 to 11:15 a.m.  **New SEBS for Hot Melt Adhesives with Low Melt Viscosity for Industrial and Medical Applications**  
*Jesus Rodríguez, Chemical Engineer/Senior Technician Adhesives & Sealants, Dynasol Elastómeros, SA de CV*  
New SEBS hydrogenated copolymers have been developed, with the ability to give the Hot Melt adhesive an excellent low temperature processability, allowing the adhesive to obtain low peeling strength for applications where it is imperative not to leave a residue on the substrate or not damage it.

11:15 to 11:45 a.m.  **DOE Study of 1K Epoxy Flexible Sealant**  
*Zhongwei Liu, Senior Development Chemist, Henkel Corporation*  
This presentation will show how design of experiments (DOE) can be utilized to understand the effect of each component in 1K epoxy on the properties. Furthermore, how DOE can be utilized as an efficient tool to solve problems during the development of products.
Education Track 3:
Disruptive Technologies Across Markets

St. Andrews, Lower Lobby Level

9:15 to 9:45 a.m.  New Polyester-Epoxy Based Polymers for Damping Applications
*Michael O’Brien, Principal Research Associate, Stepan Company*
The presentation will discuss the use of new polyester-epoxy polymers (PEEPs) for noise, vibration, and harshness damping applications. These viscoelastic polymers were found to possess excellent damping characteristics that includes high damping values over wide temperature ranges.

9:45 to 10:15 a.m.  Enduring Antimicrobial Properties of Sulfonated Copolymers: A New Market Segment for Adhesives
*Jiaqi Yan, Scientist, Kraton Corporation*
Novel polymers carry an active antimicrobial substance as part of the high molecular weight molecule. These advanced materials offer outstanding residual efficacy, reduce the burden of repeated sanitization and are applied over substrates using traditional Adhesives Industry techniques.

10:15 to 10:45 a.m.  The Next Generation of Adhesives Technology
*John Kearney, Vice President, Marketing, nanoGriptech*
Discussion with leaders in the adhesive industry on chemistry, geometry and real-life applications of leading adhesives technology.

10:45 to 11:15 a.m.  Advancements in Low Free Isocyanate Monomer Prepolymer Design for Reactive Adhesive Systems
*Ronald Emanuel, Senior Scientist, LANXESS Corporation*
Recent developments have shown that the Adhesives industry is facing the challenge to develop sustainable systems that also carry low health and safety risks. LF technology can offer prepolymer systems with excellent performance, superior processing, and productivity, as well as environmental, health and safety advantages. Yet these systems can be quite different from conventional systems. Such differences and further development of LF technology for adhesives will be discussed.
11:15 to 11:45 a.m. **UV-Cured Soy PSA: A Sustainable Closed-Loop Solution**  
*James Holbery, CEO, Nvirovate Materials, Inc.*  
This presentation will introduce the world’s first soy-based PSA platform that is compostable, UV-curing, no VOCs, capable of high throughput production and competitively priced. In this presentation we present PSA portfolio, properties and applications that show a pathway to petroleum-free PSAs.

11:45 a.m. to 12:15 p.m. **Exploration of Polymers and Tackifiers in UV Curable Adhesives**  
*Brett Neumann, Technical Manager - R&D & Applications, Kraton Corporation*  
This presentation will focus on two aspects of UV-curable adhesive design strategies. First, we will examine new styrenic block copolymer specially designed for radiation curable PSA’s. Second, we will explore the performance of this polymer against incumbent acrylic technologies.

**Education Track 4:**  
**New Product Introduction**  
*Augusta, Lobby Level*

9:15 to 9:45 a.m. **Soudafoam MAXTWO, Introducing a New Low GWP 2 Component Low Pressure Spray Foam**  
*Scott Reedell, Product Manager, Soudal Accumetric*  
Recognizing the need for a more durable and healthier environment for future generations, Soudal has developed a new 2 component low pressure spray foam that has zero Ozone Depletion Potential and near zero Global Warming Potential.

9:45 to 10:15 a.m. **Novel Bio-based Elastomer for Sealants and Adhesives**  
*Erich Klein, Market Manager, Kuraray*  
Kuraray recently commercialized a new bio-based liquid rubber using living anionic polymerization with molecular weights up to 130,000. This new polymer utilizes a bio-based monomer produced by the fermentation of sugarcane(B-farnesene). Compared to conventional petroleum-based polymers such as polybutadiene and polyisoprene, liquid farnesene rubber has the unique advantage of high molecular weight and low viscosity due to its highly branched structure. In this presentation, we will discuss the advantage of using liquid farnesene rubber in adhesives and sealants.

10:15 to 10:45 a.m. **VPS 4721: Silane Adhesion Promoter in Adhesives & Sealant Applications**  
*Jay Patel, Applied Technology Scientist, Evonik Corporation*  
Evonik’s VPS 4721 is a novel oligomeric epoxy silane that has shown unique benefits in performance improvement of adhesive and sealant systems within a variety of chemistries. An overview of this silane, along with testing and data results will be shown to highlight these benefits.
10:45 to 11:15 a.m. **New Calcium Carbonate Based Specialty Products for use in Reactive Adhesives and Sealants**
*Dino Papagianidis, Technical Service and Innovation Manager, Omya Inc.*
This presentation will focus on innovative low moisture ingredients for use in moisture curing adhesive and sealant systems including SMP (Silyl Modified Polymer). As these systems require special care in handling moisture management during processing and storage, this presentation will discuss how these new products can help to address these specific needs. Various case studies will be provided including high modulus and low modulus MS based sealants, as well as plasticizer free MS based adhesives. We will look at how these innovative ingredients can be used in these various systems to provide the correct rheological profile combined with true reinforcing properties without compromising on moisture content and moisture pick-up. New insights have been gained on how to formulate adhesive and sealant systems more efficiently resulting in better mechanical properties along with processing benefits. We will show how Omya is using this knowledge to help adhesive and sealant formulators develop the next generation of products. Armed with this knowledge, the formulator will be able to enhance the overall performance of their adhesive and sealant systems.

11:15 to 11:45 a.m. **Actflow: Functional Liquid Acrylic Polymer**
*Yuta Ogawa, Sales, Kowa American Corporation*
Introducing a new modified acrylic polymer, ACTFLOW NE-a20, which incorporates tri-methoxysilyl functional groups into an acrylic polymer chain. This grade is a low MW, solvent-free liquid for use in sealant/adhesive products WITHOUT solvent, tin, and isocyanate. ACTFLOW grades are customizable.

11:45 a.m. to 12:15 p.m. **K-KAT® 670 A Novel Non-Tin Catalyst for Crosslinkable Silane Terminated Polymers**
*Dylan LaFerriere, Technical Sales Representative, King Industries, Inc. USA*
Do you need to replace your organotin catalyst? Heightened environmental regulations on tin-based catalysts have caused formulators to seek effective and eco-friendly replacements for their moisture cure polysiloxane systems. This presentation introduces K-KAT® 670, a novel organometallic catalyst that provides efficient cure, excellent mechanical properties, and sustainability for a wide range of caulks, sealants, adhesives, and moisture cure roof coatings. These features provide formulators with a solution to a growing need in the adhesives and sealant industry.

12:30 to 1:30 p.m. **WEDNESDAY NETWORKING LUNCH**
*International Ballroom, Lower Lobby Level*
Continue the conversation and plan out your afternoon during this hour lunch. We have an overwhelming number of exhibitors available to stand ready to answer any question you might have on the latest products and innovations. *Visit the EXPO starting at 2:00 p.m.*

2:00 to 5:30 p.m. **EXPO AND RECEPTION**
*National Ballroom, Lower Lobby Level*
See EXPO Guide or Convention App for a complete list of exhibitors.
EXHIBIT GUIDE
National Ballroom, Lower Lobby Level
Wednesday, October 27, 2021
2:00 – 5:30 P.M.
Reception 4:00 – 5:30 P.M.

EXPO Reception
Sponsored by:

Ingevity
Visit booths 105 & 107
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The largest in-person gathering of the adhesive & sealant industry in two years!

Discover the lastest products, services and innovations in the Adhesive & Sealant Industry!

Wednesday, Oct. 27\textsuperscript{th}
2:00 – 5:30 P.M.

Reception:
4:00 – 5:30 P.M.

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Visit this sponsor’s booth to register for great raffle prizes. Random drawings will be made and announced during the EXPO hours of 2:00 – 5:30 p.m.

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EXHIBITOR DESCRIPTIONS

BOOTH 507
Adhesive and Sealant Council
Contact: Bill Allmond
President
510 King Street, Suite 418
Alexandria, VA 22314
Phone: (301) 986-9700 x1111
Email: bill.allmond@ascouncil.org
Stop by the ASC BOOTH to explore LIVE and ONDEMAND WEBINARS for timely and critical technical, regulatory and business topics. Webinars are available for entry level, mid-level and senior level staff. Also learn about critical MARKET DATA available at our 2021 Market Reports Sale! Included in the sale are the NEWLY RELEASED North America Market Report. Also inquire on the Water Based Adhesives in North America, Hot Melt Adhesives PLUS reports for Polyurethanes, Caulks & Sealants and South Central America Market Reports.

BOOTH 504
AGC Chemicals Americas, Inc.
Contact: Jim Scott
Business Manager
55 E. Uwchlan Avenue
Exton, PA 19341
Phone: (610) 423-4309
Email: jim.scott@us.apc.com
AGC Chemicals will be featuring our specialty high molecular weight PREMINOL™ polyether polyols and EXCESTAR™ moisture curable polymers at booth 504. PREMINOL™ polyether polyols and EXCESTAR™ silane modified polyethers provide exceptional mechanical properties in adhesive and sealant applications.

BOOTH 106 MS
Adhesive & Sealant Industry (ASI) Magazine
Contact: Tom Fowler
Group Publisher
2401 W. Big Beaver Road, Suite 700
Troy, MI 48084
Phone: (248) 786-1717
Email: fowlert@bnpmedia.com
Adhesives & Sealants Industry offers useful information for global manufacturers, formulators, and end users of adhesives and sealants, pressure sensitive and other adhesive/sealant products. Providing solutions for processing and manufacturing problems, ASI editorial targets readers involved with production, formulation, engineering, supervision and management. Emphasis is also placed on environmental regulations, legislative concerns and global trade, as well as green products and initiatives. ASI is available in print and digital versions; offers a free weekly e-newsletter, ASI E-News; and maintains an active social media presence on LinkedIn, Twitter and Facebook.

BOOTH 411
Albion Engineering Company
Contact: Mark Schneider
President
1250 North Church Street
Moorestown, NJ 08057
Phone: (856) 235-6688
Email: mark@albioneng.com
Founded in 1929, Albion is a third generation manufacturer of hand tools. Recognized as the leader in the field of hand-held dispensing technologies, Albion supports the construction industry with innovative, high quality caulking guns and accessories for the most demanding applications. Albion has a solution for all dispensing needs! The Best Just Keeps Gettin’ Better!®.
**BOOTH 309**

**Alpha Wax USA**

Contact: Joe Lasaponara  
Sales Manager  
708 Main Street  
Houston, TX 77002  
Phone: (914) 805-0302  
Email: joe.lasaponara@alphawax.com

Alpha Wax USA supplies a wide range of waxes and services to fully meet our customers’ specific needs. It’s not what we do that really makes us stand out- It’s how we do it.

**BOOTH 109**

**Arakawa Chemical**

Contact: Bryan Quenaud  
Account Manager  
625 North Michigan Avenue, Suite 1700  
Chicago, IL 60611  
Phone: (312) 642-1750  
Email: quenaud@arakawa-usa.com

Arakawa Chemical is Japan’s leading tackifier supplier and recognized globally as a technology leader. We offer products for the adhesives and sealant market including unique rosin derivatives and ARKON – the world’s first colorless hydrogenated hydrocarbon resin (C9). In order to support our global business, Arakawa is proud to announce that our new ARKON plant in Chiba, Japan will be operational in Q1 2021 – joining existing facilities in Japan and Germany.

**BOOTH 100**

**Arkema**

Contact: Sanjay Luthra  
Business Development & Marketing Manager  
410 Gregson Drive  
Cary, NC 27511  
Phone: (919) 469-6846  
Email: sanjay.luthra@arkema.com

Arkema offers a range of innovative resins and additives for adhesives (including PSAs), sealants, building & construction products, elastomers and coatings. Link: https://americas.arkemacoatingresins.com/en/

**BOOTH 505**

**Barentz**

Contact: William Nicholas  
VP of Sales-CASE  
1390 Jaycox Road  
Avon, OH 44011  
Phone: (440) 937-1000  
Email: jknoth@barentz.us

Barentz is a leading global life science ingredients and specialty chemicals distributor for the Human Nutrition, Pharmaceutical, Personal Care, Home Care, Specialty Industrial, and Animal Nutrition markets. Headquartered in the Netherlands, Barentz distributes ingredients for products to small- and medium-sized enterprises and large customers globally. The Group sources branded specialty ingredients from leading manufacturers worldwide and its ingredients experts provide value-added technical support (including pre-mixing, blending, customized formulation and testing) from its state-of-the-art, customized formulation centers and application laboratories in EMEA, the Americas and Asia-Pacific. Established in 1953, Barentz has operations in more than 60 countries with a strong presence in Asia, Europe, North America and a growing presence in Latin America. With a turnover of 1.5 billion the company employs around 1,500 people worldwide and serves over 21,000 customers. For more information, please visit: www.barentz-na.com.
**BOOTH 511**

**BASF Corporation**

Contact: Kathleen Blauvelt  
Account Manager  
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Florham Park, NJ 07932  
Phone: (973) 936-4641  
Email: kathleen.blauvelt@basf.com

BASF offers the broadest line of polyisobutenes for pressure sensitive, hot-melt and solvent-based adhesives. Oppanol® PIBs provide an excellent barrier against moisture, great adhesion and tack to many surfaces, and cold flow for self-healing features. To learn more, please visit www.basf.us/pib_derivatives.

**BOOTH 212**

**Cardolite Corporation**

Contact: Yun Mi Kim  
Technical Marketing Director  
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Bristol, PA 19007  
Phone: (352) 514-6675  
Email: ykim@cardolite.com

Cardolite Corporation is the world leader in developing and manufacturing cashew nutshell liquid (CNSL) based products, and CNSL is a natural, non-food chain, and annually renewable biomaterial. Various industries including coatings, adhesives, composites, and friction materials, have taken advantage of unique properties offered by CNSL based curing agents, epoxy products, and polyols.

**BOOTH 402**

**Chromatech Inc.**

Contact: John Monitz  
Technical Sales Manager  
7723 Market Street  
Canton, MI 48187  
Phone: (734) 660-8344  
Email: jmonitz@chromatechcolors.com

Chromatech Incorporated is a US and EU based manufacturer/supplier of specialty colorants including: water-based dyes; oil/solvent compatible dyes; fluorescent tracer dyes; and pigment dispersions. We offer a broad selection of dyes and pigment dispersions for use in adhesives, with excellent solubility and vibrant color.

**BOOTH 406**

**Eastman**

Contact: Christopher Banuelos  
Sales Manager  
200 South Wilcox Drive  
Building 280  
Kingsport, TN 37662-5280  
Phone: (951) 365-1233  
Email: christopher.banuelos@eastman.com

Eastman is a global producer of raw materials for the adhesives and sealants industries where our material expertise helps our customers make polymers work. We offer the broadest technology and product portfolio together with global manufacturing sites and an extensive sales and technology support network to give you a wealth of formulating and innovation options. Our unrivaled leading-edge performance applications for adhesives give customers a competitive edge in achieving their goals and serving their markets. For more information, visit www.eastman.com.
BOOTH 407

Entex Rust & Mitschke GmbH

Contact: Ralf Quack
Partner
Heinrichstrabe 67A
Bochum, Bochum 44805
Germany
Phone: 49234891220
Email: info@tria-sales.com

ENTEX, German manufacturer of Planetary Roller Extruders for continuous mixing, mastification, devolatilization, heating/cooling and reactive processing in the plastic, rubber, chemical and food industry, including material reclaiming. From single units to complete processing lines, replacing traditional batch mixing. Founded 1986, ENTEX is the leading manufacturers of Planetary Roller Extruders today. www.entex.de.

BOOTH 101

Fluid-Bag LLC

Contact: Patrick Bjorklund
Sales Manager, Adhesives, Sealants, Coatings
3463 Millwood Road
Lansing, MI 48906
Phone: 358207790433
Email: patrick.bjorklund@fluid-bag.com

Fluid-Bag manufacturers flexible IBC’s specializing in the very efficient discharge (99.0% to 99.5%) of high value – high viscosity adhesives, sealants, and coatings. Our customers use Fluid-Bag to replace 55 gal drums and/or 300 gal rigid containers, which significantly decrease unusable material residue, and protect the product from premature curing during end-customer discharge operations. Specifically, nitrogen blanketing is not needed for moisture cure adhesives and sealants.

BOOTH 313, 412, 413 S

Evonik Corporation

Contact: Danielle Cassella
Marketing Specialist
299 Jefferson Road
Parsippany, NJ 07054
Phone: (973) 929-8453
Email: danielle.cassella@evonik.com

Evonik Corporation offers AEROSIL® fumed silica, AERODISP® (aqueous dispersions of fumed silica), Dynasylan® silanes, and Sipernat® performance silicas for the adhesives and sealants industries. AEROSIL® fumed silicas can be used to increase viscosity and reinforcement, Dynasylan® silanes are excellent adhesion promoters, and Sipernat® offers performance silicas with better application properties. Polymer ST and TEGOPAC® are a complete product line of unique silane-modified polymers allowing customers to reach a broad number of applications within the adhesives and sealants market. DYNA-COLL® polyester polyols and DYNA-COLL AC® polyacrylates are well recognized raw materials in the production of PUR hot melts, VESTOPLAST® (amorphous poly-alpha-olefins) is a key ingredient in polyolefinbased hot melts and POLYVEST® polybutadiene resins are designed for a use in rubber-based sealants.

BOOTH 509

Gelest Inc.

Contact: Mike Herberg
Sales Manager
11 East Steel Road
Morrisville, PA 19067
Phone: (704) 957-0798
Email: mherberg@Gelest.com

Gelest, Inc. is an innovator, manufacturer, and supplier of specialty silicones, organosilanes, surface-treated pigments and metal-organics. Our mission is to help our customers win by assisting them in the development and supply of chemistry to solve their most challenging materials science problems and enable their new product technology. Gelest serves advanced technology and application support for personal care, semiconductors, medical materials, pharmaceutical synthesis, diagnostics and separation science, and specialty polymeric materials. Gelest expanded its offering of specialty monomers and surfactants with the addition of Bimax to the Gelest Family.
H.B. Fuller Polymer offers a variety of base polymer emulsions, including VAEs, vinyl acetate homopolymers, vinyl acrylics, acrylics, styrene acrylics, and more to choose the exact properties required for your specific end-use application. Our dedicated team of R&D, Customer Service, and Sales professionals work together to customize a solution for you.

H.M. Royal, Inc. is a solutions-based materials supplier to adhesive and sealant manufacturers in the United States. As a company with over 90 years of experience in materials distribution, we provide our customers and principals with national coverage by maintaining sales offices and warehouses across the country. H.M. Royal, Inc. offers the high-quality materials that manufacturers need to improve performance, lower costs, and operate more efficiently. We supply a broad range of products for adhesive and sealant applications: C-9 hydrocarbon resins (including modified resins), thixotropes (such as precipitated calcium carbonate, fumed & precipitated silica and aramid fiber), functional additives (such as lightweight polymeric microspheres), elastomers, flame retardants, and mineral fillers.

Hauschild SpeedMixer® has been recognized as the undisputed number one choice for laboratories in the adhesive and sealant sector around the world when it comes to mixing. Developed and built in Germany, it has been distributed locally by FlackTek until recently. Designed on a Dual Asymmetric Centrifuge (DAC) principle, its unsurpassed technology allows for extremely fast, bladeless air-bubble-free compounds mixing of materials in any form: liquid, high-viscosity pastes, powders and any combination thereof.

Huber’s high performing Hubercarb® and Geotex® ground calcium carbonate products are used as rheology modifiers, cost-reducing fillers, tensile strength enhancers, toughening agents, opacifiers and whitening agents. Huber’s broad product line is low in oil absorption and available in a range of product sizes. For more information, visit us in booth 303.
**BOOTH 211**

**ASC Member**

**Imerys**

Contact: Chad Fiedler  
Marketing Manager  
100 Mansell Court East, Suite 300  
Roswell, GA 30076  
Phone: (770) 594-0660  
Email: chad.fiedler@imerys.com

Imerys produces a wide range of products from high quality reserves in many locations. A complete particle size spectrum of ground calcium carbonate (GCC) products is available, from as coarse as 3,000 microns to less than 1 micron. This range, unparalleled in the minerals industry, allows Imerys to provide products to every sector of adhesive, caulk, and sealant applications.

**BOOTH 105 & 107 S**

**EXPO RECEPTION SPONSOR**

**ASC Member**

**Ingevity**

Contact: Stacy Jordahl  
Vice President, Resins/CTO & NBD  
4920 O’Hear Avenue, Suite 400  
North Charleston, SC 29405  
Phone: 1-84-INGEVITY  
Email: stacy.jordahl@ingevity.com

Ingevity provides specialty chemicals and high-performance carbon materials and technologies that purify, protect and enhance the world around us. A leading global supplier of bio-based tackifying resins for adhesives, Ingevity additives are commonly used in rigid packaging, hygiene, tapes, labels and construction applications. With the acquisition of Capa™ caprolactone, Ingevity has expanded upon its portfolio of innovative products to include engineered polymers. Through a team of talented and experienced people, Ingevity provides a reliable supply to adhesives markets worldwide. Headquartered in North Charleston, South Carolina, Ingevity operates from more than 25 locations around the world and employs approximately 1,750 people. For more information visit www.ingevity.com.

**BOOTH 400**

**JPB Industry**

Contact: Fx De Thezy  
CEO  
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LES ACHARDS, LES ACHARDS 85150  
France  
Phone: 336-15-49-3120  
Email: fx.dethezy@jpbindustry.com

JPB Industry, World Expert in Systems for the packaging of PSAs and Tacky Products in pillows, is launching its HYBRID Model: small pillows and large chubs are both produced out of ONE system! It combines Co-Extrusion (small pillows of 30-40 gr (0.08 lb)) and Bagging (large chubs FF&S of 1 kg (2 lbs)) to bring you more versatility. Just select your Process from the Touch Screen HMI, no change of heavy equipment. Highly Efficient Processes, cost saving (2 in 1), easy settings. Turnkey Lines, fully integrated systems. Throughput of this HYBRID S+B SYSTEMS: 1100 lbs/hr to 2,200 lbs/hr.

**BOOTH 314 S**

**ASC Member**

**Kaneka North America LLC**

Contact: Jeff Gunther  
Senior Market Development Manager  
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Pasadena, TX 77507  
Phone: (281) 291-3157  
Email: jeff.gunther@kaneka.com

Kaneka MS Polymer is widely recognized for producing high performance sealants, adhesives, and coatings functioning in a variety of applications and markets. Please visit our booth to learn more about the world’s largest collection of silyl modified liquid polymers and how we can assist you.


BOOTH 510

King Industries, Inc.

Contact: Chris Fesenmeyer
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Norwalk, CT 6852
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Email: cfesenmeyer@kingindustries.com

King Industries offers a broad range of high performance catalysts, corrosion inhibitors, rheology modifiers, resin modifiers and surface control additives. King has the technical service and knowledge to assist you in the development of specific requirements for your particular formulations.

BOOTH 200

Kowa American Corporation

Contact: Mark Smith
Senior Sales & Marketing Director
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New York, NY 10022
Phone: (212) 303-7800
Email: mark@kowa.com

Kowa has Acrylate & Acrylamide monomers for UV cured adhesives, Methacrylate monomers for anaerobic adhesives, HDI and polycarbonate polyols for Urethane adhesives. Introducing our Actflow line of liquid, Low MW, functionalized acrylic polymers for sealants, coatings & adhesives. The newest sealant products are methoxy-silane functionalized moisture cured acrylic resins: Actflow NE-4003 is designed as a copolymer with or replacement of MS polymers reducing plasticizers and UV stabilizers. Actflow NE-a20 is designed to eliminate tin catalysts.

BOOTH 403 & 405 S

Kraton Corporation

Contact: Karla Wilzer
Marketing Manager-Adhesives
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Jacksonville, FL 32256
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Email: Karla.Wilzer@kraton.com

Kraton is a leading global producer of specialty polymers and high-value performance products derived from renewable resources designed to deliver exceptional value and enhance people’s lives worldwide. Our broad portfolio enables our customers to develop sustainable, high-performance adhesives for demanding applications such as tapes, labels, hygiene, and sealants.

BOOTH 205

Kuraray America, Inc.

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Market Manager
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Kuraray is a world leader in specialty chemicals and functional materials; and is committed to our customers and driven to develop products that ensure quality, and value while differentiating our customer from competition. Kuraray has offices located around the world, with the corporate headquarters located in Tokyo, Japan.
THE BEST OF BOTH WORLDS

A broad range of sustainable pine chemical and polymer solutions designed for the adhesives market.

Kraton™ DX0222 Polymer

AQUATAC™ Waterborne Dispersions
Water-based tackifiers that provide excellent properties for PSA and Non-PSA applications.

Learn how Kraton’s expertise and products can support your current or future needs. Visit us at booths 403 & 405 at the 2021 Adhesives & Sealant Convention or Kraton.com.
LANXESS

Contact: Shamsi Gravel  
Sales Director & VP Key Accounts, Polymer Additives  
Address: 111 RIDC Park W Dr,  
Pittsburgh, PA 15275  
Phone: (412) 809-1000  
Email: us.info@lanxess.com

LANXESS is a leading specialty chemicals company offering tailored solutions for leading-edge adhesives and sealants, including polymer additives, urethane systems, biocides, and intermediates. Our application experts and innovative chemistries enhance performance characteristics, preservation, HS&E profile, ease of use, and manufacturing efficiency / economy, as well as providing opportunities to reduce expensive copolymer levels. In 2021, LANXESS completed the acquisition of Emerald Kalama Chemical and expanded its portfolio of plasticizers, modifiers, and benzoates.

Lawter, Inc.

Contact: Patrick Michaelson  
Dispersions Manager, North America  
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West Bend, WI 53095  
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Email: patrick.michaelson@lawter.com

Lawter, part of Harima Chemicals, Inc., is a company strong in pine chemicals and built on products developed using pine chemical resources. Lawter serves the graphic arts, adhesives, specialty coatings, aroma chemicals and the synthetic rubber industries. To optimize the performance of your adhesives, Lawter offers a complete range of natural tackifier resins and tackifier dispersions. A major part of our raw materials are derived from renewable sources such as rosin tapped from pine trees and derived via the pulp making process for the paper industry. Environmental sustainability is a key benefit of Lawter’s products - but it’s just the beginning. Our tackifier resins, ideal for hot melt adhesives and road marking applications, are light-colored, stable, and compatible with a wide range of polymers. Our waterborne tackifier dispersions provide excellent stability and cohesive strength for a variety of pressure-sensitive and non-pressure-sensitive adhesives. New from Lawter, FH 95G, a fully hydrogenated wood rosin dispersion based on our patented G stabilization technology.

BOOTH 508  
LNCY Elastomers

Contact: Wayne Sheu  
Marketing Manager  
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Baytown, TX 77520  
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Email: wsheu@lcyelastomers.com

LNCY is one of the largest global producers of SBCs, offering a wide range of SBS, SIS and SEBS. We have production sites in Taiwan, China and the USA. Our offices, warehouses and partners across the world provide convenient product access and quality customer service, while our state-of-the-art R&D center offers valuable support every step of the way. Stop by our booth to see how we can help.

BOOTH 517  
Lohnpack Contract Filling

Contact: Robert Slavens  
VP Sales  
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Hamilton, NJ 08619  
Phone: (609) 610-5063  
Email: rslavens@lohnpackinc.com

Lohnpack is a leading contract filling company in the United States and Europe offering full service filling, packaging, and assembling. With more than 50 trained staff members and modern, fully automated production equipment, we set new industry standards. Renowned brand manufacturers and leading industrial companies all over the world bank on the reliability and quality of Lohnpack.
Gala Pelletizing Systems for HMA production are designed for pellet rates up to 4,550 kg/h. A typical system will include vessel, booster pump, melt pump, screen changer, melt cooler, hot oil system, and a Gala pelletizing system with controls. Maag Gala, Inc. is a member of Maag Group, a Dover Company.

Since 1986, global manufacturers have relied on Mayzo for specialty chemical additive solutions. Mayzos private label materials include antioxidants, UV absorbers, optical brighteners, release coatings, polymer enhancers, and phenolic resins. Mayzo specializes in customization including special packaging and cutting edge masterbatches and blends. For extraordinary service, turn to Mayzo.

Improve the sustainability of your adhesives with naturally derived tackifiers

Better adhesion is closer than you think.

Resins & Resin Dispersions for Adhesives: PINECLEAR™, PINEREZ™, and SNOWTACK™.

Snowtack dispersions utilize the ROBUST™ manufacturing process technology, which produces tackifier dispersions with finer particle size and virtually zero grit.

Adhesive manufacturers can produce high-quality adhesives by incorporating these SNOWTACK™ tackifier dispersions in their formulations. With better science, manufacturers limit defects, improve coating characteristics and enhance line performance on high-speed coaters.
medmix
Contact: Kari Holcomb
Sales & Marketing Manager
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Salem, NH 03079
Phone: (603) 893-2727
Email: kari.holcomb@sulzer.com

medmix is a technology-based company focused on developing innovative products that provide world-class metering, mixing and dispensing for two-component adhesives, sealants and coatings. With world-wide production, we are able to provide products for our customers on every continent for the markets they serve. We have one of the broadest, deepest product offerings for the Industrial, Construction, Automotive and Protective Coatings markets. Our products include: Dual syringes, cartridges, static mixers, hand-held manual, pneumatic and battery operated single & dual component dispensers, pneumatic spray dispensers, machine mixers for meter-mix equipment, and static spray mixers. Our brands include: MixPac™, COX™, QUADRO™, Statomix™, MK™ and MixCoat™.

MUNZING
Contact: Jeffrey Alexander
Regional Sales Manager-Southeast
1455 Broad Street
Bloomfield, NJ 07003
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Email: jalexander@munzing.us

MUNZING is a premier supplier of additives to the adhesives industry with a product line that includes defoamers, rheology modifiers, polymeric dispersants, wetting and leveling agents, air release agents and emulsifiers. Our DEE FO® and AGITAN® defoamers deliver breakthrough technologies created specifically for superior defoaming in the resins, including EVA, PVA, acrylics, acrylic copolymers and VAE. ISO 9001 and ISO 14001 registered.
**BOOTH 311**

**MXD Process**
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Marketing Manager  
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Phone: (812) 202-4047  
Email: luke.filipiak@mxdprocess.com

MXD Process is a comprehensive manufacturer and supplier of industrial process equipment. One supplier and manufacturer for your entire process. Mixers, Tanks, Controls, Engineering. All in one place.

**BOOTH 310**

**NYNAS**
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Market Manager  
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Sweden  
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Email: ghislain.dequatrebarbes@nynas.com

Nynas process oils are available in many different applications, including adhesives, printing inks and antifoam, as well as in other products in the chemical industry. Areas of application include plasticizers in polymer-based formulations, rheology modifier in printing inks and silicone sealants and carrier oil in antifoam. The relatively high polarity and high density of Nynas’ oils also help create more stable emulsions than with paraffinic counterparts. Being a major player in a specialist niche of the oil market has its advantages. Nynas global presence enables customers to work with the same oils around the world, regardless of the choice of production site, while being serviced by our local people and offices. With around 1,000 employees, in-house production facilities, depots all over the world and representation in over 30 countries, Nynas is dedicated to developing, producing and supplying specialty naphthenic oils and bitumen for a global market. Together with our customers, we have the know-how to find new applications and meet new challenges that can help shape society. For more information, visit www.nynas.com.

**BOOTH 503**

**Omya Inc.**
Contact: Mark Harrington  
Director of Sales  
9987 Carver Road, Suite 300  
Cincinnati, OH 45242  
Phone: (800) 749-6692  
Email: mark.harrington@omya.com

Omya is more...excellence in specialty chemical distribution and industrial minerals. Omya is one of the world’s leading producers of calcium carbonate based functional fillers and specialty chemicals distributor for adhesives and sealants. Omya products help to improve performance and formulate more cost effective products. They also contribute to providing a more sustainable solution. Stop by booth 503 or visit our website at www.omya-na.com.

**BOOTH 104**

**PART Consulting LLC**
Contact: Roger Tietze  
VP of Technology  
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Conroe, TX 77384  
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Email: rtietze@partconsulting.com

PPART Consulting is a technical consulting firm that provides technical and marketing support to firms on thermosetting chemistry and its many applications in industry. Our expertise includes epoxy resin chemistry as well as bismaleimides, polyurethanes, polyimides, polyesters, benzoxazines, and other thermosets. PART Consulting has over 60 years of combined adhesive, composite, coating, and electrical formulation experience. We also have extensive resin manufacturing experience and in pilot operations of new products. Because of our extensive expertise with thermoset resin products; [5 patents, 21 product introductions, product qualifications, major chemical plant expansions, and numerous industry audits] You and your business will benefit from our knowledge and experience in R&D, application testing, analytical testing, qualifications of products, bringing products to market, and our proficiency in market evaluation. We offer services such as training and tutorials, support for environmental, health, and safety services, and other technical consulting services. Our application laboratory is equipped to do development work on products for all types of applications in adhesives, coatings, composites, electrical, and electronic applications. Our capabilities also include chemical analysis testing, thermal analysis, mechanical analysis, and other tests.
ProSys Servo Filling Systems
Contact: Donald Sonntag
Division Manager
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Email: dsonntag@prosysfill.com

Pros is a Premier manufacturer of manual, semiautomatic, and fully automatic equipment for filling cartridges, squeeze tubes, syringes and rigid containers for the Cosmetic, Pharmaceutical, Chemical, Adhesive and Sealant Industries. We are a global supplier of filling equipment with U.S. sales, manufacturing and customer service facilities located in Southwest Missouri.

R. E. Carroll, Inc.
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President
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Ewing, NJ 08638
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Email: robert@recarroll.com

R.E. Carroll, Inc. is a 95 year old specialty chemical & petroleum products distributor based in Ewing Township, N.J. We provide the Adhesives & Sealants industry with high quality raw materials including gum rosins, hydrocarbon resins, rosin esters, process oils and additives from our five warehouses in NJ, GA, OH, TX.

PSI-Polymer Systems Inc.
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Sales Engineer
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Phone: (828) 468-2600
Email: emoretz@psi-polymersystems.com

Headquartered in Conover, NC, PSI-Polymer Systems, Inc. is a leading global supplier of technology-driven, high-performance gear pumps, screen changers, die changers, diverters, custom auxiliaries, and rebuilds for the adhesive, chemical, and polymer processing industries. PSI’s quick-response approach is structured to help processors find efficient, cost-effective solutions to extrusion process problems.

Renkert Oil, LLC
Contact: Mark Proudfoot
Senior VP/CTO
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Morgantown, PA 19543
Phone: (610) 422-3567
Email: mproudfoot@renkertoil.com

Renkert Oil bridges the gap between major refiners and small to large customers with the end user’s needs in mind. With decades of hard-won technical expertise, our team quickly identifies technically,logistically and economically aligned products to meet your requirements.

Revelli Chemicals Inc.
Contact: John Revelli
Vice President
35 Mason Street
Greenwich, CT 06830
Phone: (203) 661-4040
Email: john@revellichemicals.com

Revelli Chemicals is a distributor of resins and pigments. Featured products include Hydrocarbon Resins, Titanium Dioxide, Zinc Oxide and Fumed Silica. Products are stocked across the USA and also in Canada.
BOOTH 301
**ASC Member**

**REXtac, LLC**
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Director, Sales & Marketing  
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Odessa, TX 79766  
Phone: (404) 386-6465  
Email: scotw@rextac.com  

REXtac, LLC produces APAO (amorphous poly-alpha olefin) for use as an adhesive, as an adhesive raw material, and as a modifier for bitumen. REXtac APAO technology includes propylene homopolymer, ethylene copolymer, and the only low viscosity pure butene-1 copolymer in the world. Our world head quarters and production are located in Odessa, TX.

BOOTH 110
**Shell MDS**

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Shell MDS waxes, under the brand name Shell GTL Sarawax, are specialty waxes produced with high linearity and narrow carbon number distribution, resulting in products suitable for a range of applications ranging from hot melt adhesives, PVC lubricants, printing inks, rubber and tyre to candles, personal care and packaging material. In the hot melt adhesives, our waxes reduces viscosity to ensure efficient mixing, regulates open and set times, and reduces surface tacking for better transport and storage stability.

BOOTH 316
**ASC Member**

**Scott Bader North America**
Contact: Tim Bedell  
Sales Development Manager-Functional Polymers  
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Email: info@scottbader.com  

Scott Bader manufactures a wide range of acrylic, polyester, and urethane acrylate polymers. From waterborne binders and rheology modifiers to formulated structural adhesives and bonding pastes, Scott Bader has a solution for your formulating and application needs. As a specialist manufacturer, let us tailor a solution for you.

BOOTH 306
**ASC Member**

**Shiraishi Kogyo Kaisha, Ltd.**
Contact: Kazuya Ito  
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Phone: 81668823615  
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Shiraishi Kogyo is a specialty manufacturer of ultrafine precipitated calcium carbonate in a various applications and markets. Our innovative products VISCOLITE line provide enhanced performance to adhesives & sealants. Shiraishi have many experience and respond customer’s requirement.
SI Group is the world's largest manufacturer of alkyl phenols and alkyl phenolic resins. SI group is known as the premier supplier of specialty phenolic based resins. SI Group recently developed products to help manufacturers of polychloroprene adhesives to stretch their supply of this rubber using the exclusive REZEXTEND® formulation system.

Soudal markets an extensive line of sealants and adhesives products under the BOSS label serving many industrial markets. We manufacture neutral cure silicone sealants, Firestop caulks, silicone compounds, latex and hybrid sealants. In addition, we custom/contract package one and two component adhesives, sealants, and other chemicals.

Founded in 1999, Springfield Industries is an adhesive and adhesive ingredient developer and manufacturer. We specialize in reactions (often high viscosity liquid or solid), masterbatches and compounding. Springfield is an experienced toll and private label manufacturer. Springfield is adept at handling complex reactions and processes with high quality and efficiency.
Saiden Technologies is now STI Polymer and while our name has changed the quality of our products have not. Our familiar Saitack line of pressure sensitive acrylic polymers, covering a range of applications from construction adhesives to tape and label adhesives will continue to be manufactured to the highest standards in our Sanford, NC polymerization facility for demanding applications throughout the Americas.

Synthomer develops and markets polymers used in a wide range of industries to create and enhance everyday consumer products. Whether you’re reading a book, opening a pack of breakfast cereals, painting your kitchen, labeling an envelope, laying a carpet, tiling a bathroom or simply driving the car, you could be using a product that has been improved by our scientists. We have a proven record to generate added value to our customers through in-depth application know-how and strong R&D support. We deliver the right formula, globally, individually.

Tate & Lyle has been serving the Adhesives Industry as a supplier of dent and waxy corn starches, dextrins, and water-soluble polymers for use in water-based formulas for many years. We offer a full range of unmodified, modified and ethylated starches, dextrins, and water-soluble polymers.

Teckrez Inc., a leader in tackifier resins and specialty monomers. The broadest range of tackifiers in North America for Adhesives and Sealants including rosin esters, specialty rosin tackifiers and the full range of hydrocarbons (including hydrogenated C9, C5 and DCPD resins). Partnerships with leading global producers (e.g., Henghe) along with excellent local service, expertise and testing provide the best customer solutions. Our specialty monomers feature acrylates and methacrylates in a range of packaging options. Let Teckrez improve your product performance and sourcing options.
TER Group

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Email: chemicals@gehring-montgomery.com

TER Chemicals is a global family-owned chemical distributor, represented in North America by Gehring Montgomery, Inc. (GMI), Trexan Chemicals, and Keim Additec. We represent a range of high-quality products that serve the Adhesive & Sealant market. Our diversified portfolio includes EVA copolymers, tackifier resins, styrenic block copolymers, butyl rubber, PE, PP, FT, micronized and paraffin waxes, water-based wax additives, polybutenes, antioxidants, gum rosins, dispersants, defoamers and many other additives. Availability issues? Need advice on choosing the right product for your formula? We are here to give you a solution and we look forward to meeting you at our booth!

Tiarco-RST

Contact: Shane Day
Global Sales Director
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Dalton, GA 30721
Phone: (706) 529-0515
Email: sday@tiarco-rst.com

Tiarco-RST is a leading, global supplier to the adhesives industry, focusing on perfecting adhesives, sealants, and other specialty chemicals to help improve products and lives. Our commitment to innovation brings together people, products, and processes that answer and solve some of the world’s biggest challenges.

Teckrez

Specialists in Tackifier Resins and Acrylic Monomers

Teckrez offers the broadest range of hydrocarbon and rosin resins in North America, and high-demand acrylicate monomers in drum and bulk packaging.

Come meet our growing team at booth #113!

www.teckrez.com +1-904-215-7885
BOOTH 401

ASC Member

Trecora Chemical, Inc.
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Wax Sales Representative
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Trecora Chemical is a leading producer of polyethylene wax and wax derivatives with production capabilities beyond 30 million pounds per year. PE waxes and oxidized waxes are manufactured for plastics, PVC, hot melt adhesive, coatings, paints, rubber, master batch and a wide range of applications. Located in the heart of the gulf coast industrial sector near Houston, Texas, Trecora Chemical has the infrastructure to handle a wide variety of chemicals via rail, truck or the nearby port. We specialize in polymers and resins, but have the versatility to provide many other custom manufacturing and formulating services. Please come by our booth to learn more about our capabilities, products and services.

BOOTH 307

ASC Member

TRINTERNATIONAL, INC.
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Director of Marketing & Business Development
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Edmonds, WA 98020
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Email: jennifer.calvery@trichemicals.com

TRINTERNATIONAL, INC. is a women-owned, full-line chemical distributor with SBA WOSB, WBENC, & NGLCC certifications. Our team brings quality product alternatives, extensive product knowledge, and industry experience with attention to personal customer service. We take the time to recognize your needs, understand your business, and solve your sourcing challenges.

Polyethylene Waxes for YOUR:
- EVA and Metallocene based Hot Melt Adhesives
- PVC Lubricants
- Inks & Coatings
- Plastic Masterbatches

Extending YOUR Supply Chain via Custom Processing:
- Hydrogenation
- Conventional & Short Path Distillation
- Synthesis
- Pastillation & Flaking

By Working Together...our capabilities help YOU create YOUR chemistry

Contact Trecora Chemical
888-306-9867
www.Trecchem.com
TSE Industries
Contact: Fred Costello
VP Sales, CASE Division
5180 113th Avenue North
Clearwater, FL 33760
Phone: (727) 540-1204
Email: rick.klingel@tseind.com

TSE Industries is a Florida-based manufacturer of polymers and other specialty chemicals including reactive hot melt adhesives, urethane pre-polymers, pigmented or filled polyurethanes, PU coatings and sealants. Since 1962, TSE has been a consistent, reliable contract manufacturer, having toll manufactured over 200 million pounds of polymers on time and in spec. With 15 reactors, we can test until you are completely satisfied and then scale-up to produce the adhesives and sealants you need, when you need them.

TSRC Specialty Materials LLC
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TSRC Specialty Materials LLC is the new name for Dexco Polymers LP. A leader in Styrenic Block Copolymers (SBC) since 1988, we supply Prime Grade SBS, SEBS & SIS block copolymers to Adhesive formulators. In the Americas we are headquartered in Houston, TX with a new Technical Center in Katy, TX. Our SBC products are sold under VECTOR® & TAIPOL® trade names. These polymers are made in the USA [Louisiana], China [Nantong] & Taiwan [Kaohsiung]. Linear pure triblock & radial pure tri-block/

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As one of the largest Women-Owned chemical distributors in North America, we take the time to recognize your needs, understand your business, and solve your sourcing challenges.

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There is never a substitute anywhere for hard work.
Megan E. Gluth-Bohan, Esq.
TRI CEO & Owner
di-block elastomers help formulators market adhesives customers want to use. TAIPOL & VECTOR SBC’s offer performance, quality, reliability & economy. Stop by booth (#501) to discuss how we can make a difference in your adhesives. Visit us on the web at www.tsrc.com.tw for learn more about our SBC & rubber polymers, technical service & commercial support capabilities.

**BOOTH 514**

**Uniquechem Solutions Inc.**

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Director  
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Mississauga, Ontario L4Z 2H7  
Canada  
Phone: (905) 536-6211  
Email: jsc@uniquechemsolutions.com

A specialty chemical distribution company working with customers across North America. Our raw material product offering includes  
UNISIL - Siloxanes (PDMS, OH Polymers),  
UNISIL - Silanes, UNISIL STP Silane Terminated Polyethers (STPE/SPURS), UNISIL FS - Fumed Silica, UNISURF PPG series, UNICAT – Catalyst and UNIPLAST – Plasticizers.

**BOOTH 502**

**Univar Solutions**

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Director, Marketing Communications  
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Univar Solutions is the largest global chemical and ingredient distributor with a centralized business model. The company provides broad logistics capabilities, in-depth market knowledge, dedicated technical expertise and Lab Services. As a public company, Univar Solutions employs approximately 10,000 employees with operations across North America, Europe and Asia. Learn more at www.univarsolutions.com.

**BOOTH 207**

**UNISOURCE-ENERGY, LLC**

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Technical Marketing Representative  
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Phone: (630) 470-6030  
Email: Laross@unisource-energy.com

UniSource Energy, LLC. is a marketer of Specialty Petroleum Products with over 25+ years of experience working for major oil companies from technical sales to refining and production. With our technical expertise and refinery supply sources we are able to better supply our clients with quality and value. www.unisource-energy.com.
Velsicol Chemical LLC

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Velsicol Chemical, LLC is a leading producer and marketer of benzoate plasticizers (non-phthalate) for use in various polymer additive applications with its Velsiflex® branded product line. Velsiflex® products, based on benzoic acid as a core building block, are used in the manufacture of adhesives, sealants, caulk, coatings and inks in addition to various flexible PVC applications. Velsiflex® plasticizers are high-solvating, polar, monomeric plasticizers. They are performance-adding, low-to-medium viscosity fluid esters designed to bring value to a wide range of polymer systems. Please visit us at booth 404.
Omni Orlando Resort at ChampionsGate Map

Lobby Level

Lower Level
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Polyurethane Chemistry Expertise

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- One and Two-Part Adhesives
- Urethane Prepolymers (MDI, TDI, Aliphatics)
- Thermoplastic Polyurethanes (TPUs)
- Pigmented / Filled Polyurethanes and Polyols
- Liquid PURs, Cast Urethanes, and Coatings
- Complete Laboratory Services

TSE INDUSTRIES, INC.

www.tseind.com | service@tseind.com | (800) 237-7634