





CHAIRMAN'S MESSAGE



INDIANAPOLIS – CROSSROADS OF AMERICA

VINYLTEC 2014 OCTOBER 20-22

PROGRAM PAGES 3-5

Al Whitney is as old as Vinyl



Vinyl issued as a commercial product in 1914. Al also issued forth. Send a note today.

11 Players Circle, Palm Coast, FL 32137 spepal@bestnetpc.com

Presided at first Vinyl RETEC - 1964

50th Anniversary

Vinyltec 2014 Will Be Outstanding! Vinyltec 2014 Environmental Workshop

Monday, October 20th

| Program | Speaker | Company |
|-------------------------------------------------------|---------------------|------------------|
| Green Building Certification Programs | Blakley/Crock | VI |
| Canada's Chemicals Management Plan: | Marie-Louise Geadah | Environment |
| Activities of interest to the Vinyl Plastics Industry | | Canada |
| Hazard Communication and the Globally Harmonized | Keith Mesch | PMC |
| System | | |
| TSCA | Tom Berger | Keller & Heckman |
| Hot Topics for PVC Used in FDA Regulated Applications | Devon Hill | Keller & Heckman |
| PVC Carcinogen Labeling Assessment | Fred Neske | Formosa |
| Keeping PVC Pipe the Product of Choice for | Bruce Holland | Uni-bell |
| Municipalities | | |
| Update on Regulations Affecting Phthalates in the | Pat Harmon | BASF |
| United States | | |
| Automobile VOC Analysis by VDA 278 | Dave Owen | BASF |
| ASTM D7823 – Method for Analyzing CPSIA Phthalates | Dave Owen | BASF |
| Assessing Phthalate Safety | Nina Hallmark | Exxon |
| New Eco-efficiency Analysis on PVC Incontinence | Kasper Van Veen | Vintex |
| Products | | |



Chairman Dave invites you to Vinyltec

Tuesday, October 21st

| Program | Speaker | Company |
|---------------------------------------------------------------------|------------------|------------------|
| Test Method Development for Outdoor Exposure and | Jeffery Quill | Q-Lab |
| Accelerated Weathering of Vinyl Siding Specimens | | |
| Introduction to Color Theory | Bruce Mulholland | Celanese |
| EPVC - What's Happening in Color; the evolution of | Rick Keatley | Americhem |
| weathering, architectural weathering correlation study | | |
| Code Zero | Fred Krause | |
| A Brief Review of Polyvinyl Chloride Resin | Alan Kupfer | Axiall Corp |
| Manufacturing Processes | | |
| Influence of the PVC K-Value on WPC Processing and | Sylvia Moore | Shin-Etsu |
| Decking Properties | | |
| Recent New Developments of Shin-Etsu Specialty PVC | Sylvia Moore | Shin-Etsu |
| Grades for EU Market | | |
| North America's Cinderella Pipe Story | Bob Walker | Underground |
| | | Solutions |
| Update on PVC | Judith Nordgen | Chlorine Council |
| The Wonderful World of Screw Design Through Time | Horst Eigruber | |
| Innovations Using PVC Composite Foam in the Vinyl Industry | Rod Hughes | Polymera |
| Foams, organic composites (wood, natural) | Laurent Matuana | Michigan State |
| | | University |
| Controlled Gloss in PVC Applications Through Use of | Jason Lyons | Arkema |
| Polymeric Additives | | |
| Tin stabilizers | Keith Mensch | PMC |
| Factors Influencing Hot Melt Extensibility and How | Robert Lindner | Lubol |
| They Relate to R PVC Foams & Vacuum Formables | | |
| Utilizing an Alternative External Lubricant to Influence Processing | Rob Decker | Norac Additives |

Wednesday, October 22^{na}

Alloy

| Program | Speaker | Company |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------|
| Economics of Vinyl | Brad Esckilsen | |
| History and Multiple Applications of Flexible Vinyl Over the Years | Tim O'Keefe | |
| The History of Flexible Vinyl, Chapter 1 | Dick Kozlowski | |
| The History of Flexible Vinyl, Chapter 2 | Len Krauskopf | |
| A Regulatory and Performance Based View of Plasticizers for Medical Vinyl Applications | Mark Brucks | Eastman Chemical |
| How the London 2012 Olympic Delivery Authority Managed and Implemented the LEGACY Commitment | Steve Fredrickson | Serge Ferrari |
| PVC Geomembrane | Tim Clark | University of Illinois/FGI |
| Biochek 80 Series: Novel metal-free biocides for flexible PVC | Dr. Andreas Boettcher | Lanxess |
| Functional Effect Pigments | Mike Yockel | Eckart America |
| History of Vinyl | Jim Summers and Al Whitney | |
| What is the ACC High Molecular Weight Phthalates Panel? | Nina Hallmark | Exxon |
| Bio-Based Plasticizers: Evolution and Recent Developments | Peter Frenkel | Galata |
| Benzoate Plasticizer Technology: Recent Developments for Polyvinyl Chloride | Emily McBride | Emerald Kalama Chemical |
| Performance of Mineral Oil Secondary Plasticisers in PVC compounds | Peter Kaali | NYNAS AB |
| Newly Developed Light Stabilizer for Outdoor Flexible PVC Applications | Mr. Tanaka | ADEKA |
| New Developments in High Metal Content, Alkyl Phenol Free Carboxylates for Liquid Mixed Metal Stabilizers | Luis Cruz | AM Stabilizers |
| The Relationship Between Plasticizers and MM Stabilizers | John Scott | Ferro |
| Improving Permanence in Flexible PVC with Bio-Based | Bob Engle | Metabolix |
| PHA Rubber Modifiers | | |
| | | |

Beth Griffin

DuPont

Put Our Experience to Work for You



Our family of products spans a variety of vinyl application needs:

PARALOIDTM

Impact Modifiers and Processing Aides

ACRYLICGARD™ Acrylic Capstock

SURECEL™ Foam Cell Stabilizer

With more than 40 years of experience, DPA has the technical services, R&D, marketing and sales expertise to meet your needs! Let us work with you – and for you – to:

- Decrease downtime
- Reduce scrap
- · Improve operations

You can count on us as your supplier of choice!!

www.dow.com/additives



®™The DOW Diamond Logo is a trademark of The Dow Chemical Company © 2014

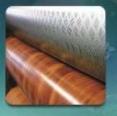
EMERALD KALAMA CHEMICAL

KFLEX

Plasticizers & Coalescents







High Performance, Fast-Fusing, Non-Phthalate Plasticizers for Vinyl

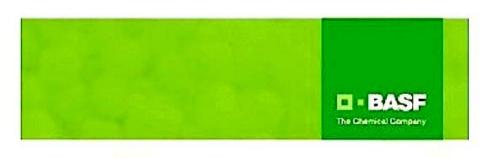
- Exceptional toughess and stain/extraction resistance
- Increased processing speed, lower gelation/fusion temperature
- · Non-SVHC, global registrations, REACH compliant

Emerald Performance Materials*
Kalama Chemical

Supplying customers world-wide. **Contact us** for more information: **800.223.0035** or kflex@emeraldmaterials.com.

www.emeraldmaterials.com

® Registered trademark of Emerald Performance Materials, LLC © 2014 Emerald Performance Materials, LLC



We create chemistry for a sustainable future

Additives for Vinyl

Antioxidants, Pigments, UV Absorbers www.basf.com/plastic-additives

Kaolin Clay www.basf.com/kaolin

Plasticizers www.basf.com/plasticizers



Part of Rio Tinto

Firebrake® ZB Multifunctional Fire Retardant

- Smoke Suppressant
- Afterglow Suppressant
- Anti-Arcing Agent
- Antimony Oxide Replacement

Rio Tinto Minerals, 8051 E. Maplewood Avenue, Greenwood Village, CO 80111 +1 303.713.5000 • www.borax.com\markets\polymers



Shintech, Inc & K-Bin





WORLDWIDE LEADER IN PVC RESIN AND PVC COMPOUNDS

FULL K-VALUE RANGE OF SUSPENSION RESINS INCLUDING A LINE OF CROSSLINKED RESINS

3 Greenway Plaza, Suite 1150 Houston, Texas +1-713-965-0713

> www.shinetsu.co.jp www.shintechinc.com



NORAC® ADDITIVES COAD® and MATHE® Metallic Stearates

NORAC quality metallic stearates and related products provide solutions for your polymer processing problems and enhance your profitability.

Our products find use as lubricants, mold releases agents, acid scavengers, and costabilizers in the PVC, Polyolefin, Thermoset, and Rubber Industries. Our line includes Stearates of Calcium, Zinc, Magnesium, Aluminum, Lithium, and Sodium.

Visit us at our website, www.norac.com

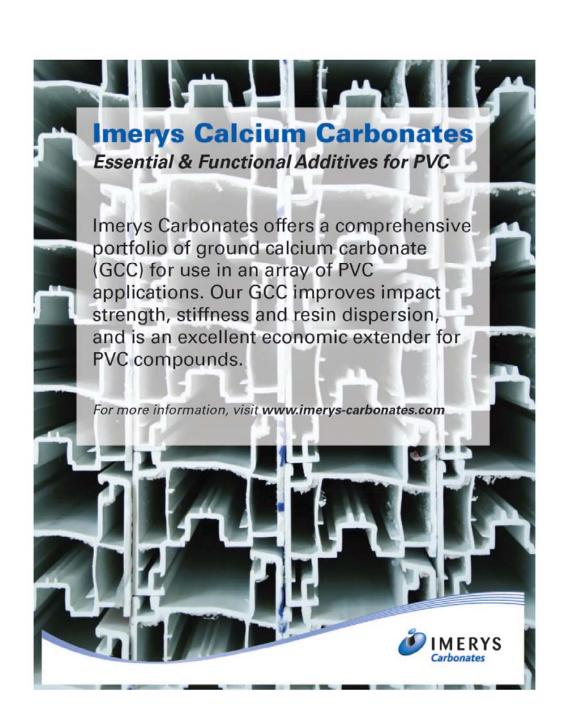
NORAC, Inc.

405 SOUTH MOTOR AVENUE AZUSA, CALIFORNIA 91702-3232 (626) 334-2908 FAX (626) 334-3512 ~~CH₂-CH-CH₂-CH-CH₂-CH ~~ CI CI CI

MICHAEL H. FISCH, Ph.D. Consultant to the Plastics Industry 352 Pines Lake Drive East Wayne, NJ 07470

Tel: 973-839-4386 Cell: 201-888-9066

E-mail: mhfisch@alumni.caltech.edu



Premier Polymers & Processing Consulting, Inc.

P3Consultants

Ella Rabinovitch, Jim Summers, Ron Kaminski 29751 Wolf Road, Bay Village, OH 44140 Office: (440) 835-1966

130+ Years Experience in the Polymer Industry Formulating, Compounding, Processing, Quality & Management Systems, Training, Industry Standards, Cost Reduction, Innovation www.p3consultants.com









PVC IMPACT MODIFIER - offers economic and performance advantages over competitive systems

KELIREN® CPE offers the following:

<u>Consistency</u> - Largest CPE reactor in the world ensures quality and consistency.

Capacity - The largest privately held CPE production facility worldwide.

Supply - Material readily available in local warehouses.

<u>Selection</u> - Currently over 22 grades for : Wire & Cable - Hose - Sponge - Extruded Profiles - Membranes - Coated Fabrics and Films - PVC Impact modification

Alternative Rubber & Plastics, Inc.

200 Creekside Drive Phone: 888-611-0220 www.altrubber.com Amherst, NY 14228 Fax: 716-691-5664 info@altrubber.com





Brabender CWB

....where quality is measured.

Intelli-Torque Plasti-Corder® Torque Rheometer

ATR Plasti-Corder® Torque Rheometer

Single Screw Extruders

Segmented Twin Screw Extruders

Rheometric Capillary Rheometry

Mixer/Measuring Heads

Prep-Mill® Laboratory Two Roll Mill

Absorptometer C

201.343.8425 cwbi@cwbrabender.com www.cwbrabender.com

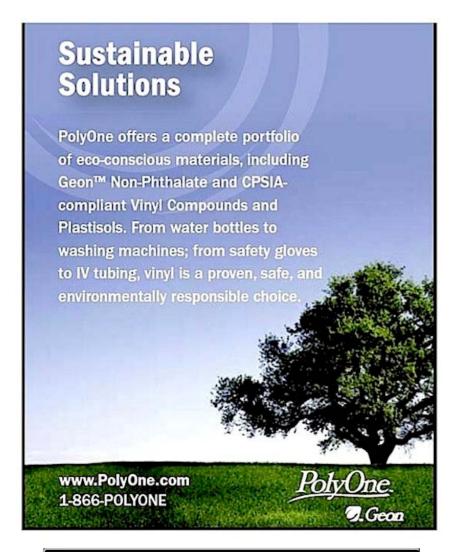
Formosa Plastics offers a full line of PVC resins that deliver the consistency, performance and quality that customers demand. In fact, Formosa is one of the largest PVC manufacturers in the world and our PVC resins are produced in the industry's newest and most modern facilities.

But what sets Formosa apart is our determined commitment to customer service and satisfaction.

To find out how we can put that commitment to work for you, please call us at 1-888-372-8723.



9 Peach Tree Hill Road, Livingston N.J., 07039 www.fpcusa.com





DAVID W. RILEY PLASTICS PROCESSING CONSULTANT

Fellow ASTM, SPE, AID, AAAS

www.extrusionengineers.com

Polymer Melt Flow Corrective Actions, Extrusion Analysis, Polymer Analysis by Rheology, Detection of Gels & Non-uniform Flow Particles, ASTM Quality Method Development, "PVC Specialist", Molecular Structural Analysis

858 Princeton Court, Branchburg, NJ 08853 Business & Fax (908) 369-7260 e-mail drdriley@aol.com



14 Warren Street, Plainsboro, NJ 08536-3057 USA
Phone/Fax: (609) 275-4561 • Cell Phone: (609) 235-7311
Email: lenkrauskopf@comcast.net • www.vinylconsulting.com

Officers

Omya

| Dave Peeples, Chairman Formosa Plastics Corp. | | 225-354-8237 wpeeples@flbr.fpcusa.com |
|--------------------------------------------------------|-----------------------|----------------------------------------------|
| Maryellen Cox, President-E Teknor Apex | lect/Secretary | 401-725-8000 mecox@teknorapex.com |
| David P. Owen, Past Chairn BASF Corp. | man | 281-884-4451 david.owen@basf.com |
| Roman Wypart, Treasurer Klockner Pentaplast | | 540-832-3600 ext 208 r.wypart@kpfilms.com |
| Bill Arendt, Councilor Emerald Kalama Chemica | al <u>william.are</u> | 847-362-6751 endt@emeraldmaterials.com |
| Emily McBride, Technical P Emerald Kalama Chemica | • | 360-673-0277 ride@emeraldmaterials.com |
| Directors | | |
| Randy Brown, Director Kydex, LLC | | 570-336-4218 iplasticpi@zoho.com |
| Alan Gibb, Director, Awards Reinier Plastics | s Chairman | 450-460-4488 alangibb@hotmail.com |
| Dick Grossman, Editor Consultant | | 302-571-1005 groley@verizon.net |
| Michael Jacupka, Director Dover Chemical | | 330-365-3684 mjacupka@doverchem.com |
| Laurent Matuana, Director Michigan State University | | 517-353-4616 <u>Matuana@msu.edu</u> |
| Gary Mitchener, Director Addenda | garymitchener | 317-290-5007 @addendacorporation.com |
| Sylvia Moore, Director Shintech | | 330-618-8666 symoore@earthlink.net |
| Ed Raymond, Director, Edu | cation Chairma | an 802-492-3578 |

ed.raymond@omya.com

Rhonda Rogers, Director 281-834-2368 ExxonMobil rhonda.e.rogers@exxonmobil.com Jim Summers, Director, Assoc. Editor JVAT 440-835-1966 jws1966@ameritech.net P3 Consultants Tom Tettamble, Director 314-725-2600 Byk USA tom.tettamble@altana.com Robert Weiler, Director 330-283-9024 Amfine rweiler@amfine.net 614-754-3241 Burch Zehner, Director

bzehner@timbertech.com

Timbertech