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News Release

Ciba Specialty Chemicals presents a number of new and innovative products at ASEANPLAS/ASEANRUBBER 2005 in Singapore

Ciba Specialty Chemicals is showcasing a wide portfolio of new and innovative products that have been specially designed to meet the specific needs in the plastic marketplace.

Visitors at Ciba stand no. 4A09, ASEANPLAS2005, will have the opportunity to look more closely at the spectrum of products which create high value effects in end-applications for industries such as Packaging, Automotive, Construction, Textile and Elastomer & Adhesives.

In addition, Ciba® Expert Services, a separate business unit in Ciba Specialty Chemicals, will also provide an insight into its range of knowledge based services and expertise to enhance the business performance of companies in various industries. These services include regulatory, testing, safety, education, color and environmental services.

In combination, Ciba Specialty Chemicals offers a total solution concept for customers across many industries. Ciba products and services being highlighted at the exhibition include:

1. Polymer Protection

Ciba® IRGANOX® HP - High Performance Melt Processing Stabilizer System

IRGANOX® HP product series provides outstanding processing stability in a variety of substrates and applications. The lactone HP-136 in the blend functions as a carbon-centered radical scavenger, which inhibits processing-induced oxidation as soon as it starts. This product series can be used in PE, PP and other polymers such as engineering plastics including aliphatic polyketone, styrene homo- and copolymers, elastomers, adhesives, and other organic substrates.

In the recommended applications, IRGANOX® HP product series offers excellent performance and productivity in terms of melt flow control, low initial colour and outstanding colour maintenance, effectiveness at high processing temperature for demanding applications, and low use levels thus benefiting additive compatibility.

2. Light stability & Weather Resistance

Ciba® TINUVIN® XT 833 - new UV light stabilizer system

The new UV light stabilizer system extends the lifetime of flexible PVC used in exterior applications, allowing it to retain its properties for as much as 20 years. This doubles the current lifetime of flexible PVC that is at around 10 years.

TINUVIN® XT 833 also makes flexible PVC more viable for exterior applications such as for roofing membranes where it gains a better competitive profile in comparison to currently used highly weatherable polymers such as TPO and EPDM.

3. Content Protection

Ciba® SHELFPLUS® UV 4100 - UV filter for packaging

The new UV-filter for packaging was developed to help meet the increasing demand for transparent packaging. SHELFPLUS® UV 4100 blocks broad-spectrum UV radiation, which is found in both sunlight and in fluorescent lighting used in stores. This protects the stability and appearance of the package content and thereby increases the shelf life of products in transparent packaging.

Its suitability for flexible packaging also extends the design options for package development, giving it a broad range of applications in the food area and also home and pharmaceutical areas.

4. Polymer Modification

Ciba® IRGATEC® CR 76 - Opportunity for better quality meltblown nonwoven fabrics

IRGATEC® CR 76 is a new polymer modifier that brings a new standard to nonwoven fabrics. Being a customer friendly product, it allows the producer of nonwoven fabrics to use standard polypropylene spunbond grades or recycled granules from fiber scrap to design meltblown nonwoven fabrics that have significantly enhanced liquid barrier properties and mechanical properties (for example, tensile strength) over existing products.

5. Flame Retardancy

Ciba® TINUVIN® FR 2011/2021 - providing flame retardancy and light stability

TINUVIN® FR 2011 and TINUVIN® FR 2021 are new flame retardants from Ciba that have the added advantage of providing superior light stability and thereby increasing the durability of polypropylene thick sections products. This combination of benefits makes them ideal for use in outdoor products - for example stadium seating. The new products have been assessed as effective in a variety of international flammability tests.

6. Environmentally Friendly Solutions

Ciba® IRGASTAB® PVC 11 EM - environmentally advantageous antioxidant

IRGASTAB® PVC 11 EM is a highly effective chain-stopper for use in PVC. It makes PVC materials easier to handle during the manufacturing process and brings excellent thermal stability properties to PVC. It also has the environmental advantage of being in the form of a solvent free liquid water emulsion. IRGASTAB® PVC 11 EM is based on active stabilizers having broad food approvals.

7. Ciba® Expert Services

Provides services along the whole value chain in the plastics industry: independent of Ciba's product business. The offer includes:

Ciba® Regulatory Services

Global compliance and notification of chemicals

Ciba® Environmental Services

Consultation on safe and economic plant operations

Ciba® Safety Services

Powder testing and thermal stability evaluation

Ciba® Testing Services

Material and packaging testing; high level analytical chemistry

Ciba® Educational Services

Seminars and conferences

Ciba® Color Services

Color matching and brand protection

Ciba Specialty Chemicals (SWX: CIBN, NYSE: CSB) is a leading global company dedicated to producing high-value effects for its customers' products. We strive to be the partner of choice for our customers, offering them innovative products and one-stop expert service. We create effects that improve the quality of life – adding performance, protection, color and strength to textiles, plastics, paper, automobiles, buildings, home and personal care products and much more. Ciba Specialty Chemicals is active in more than 120 countries around the world and is committed to be a leader in its chosen markets. In 2003, the Company generated sales of 6.6 billion Swiss francs and invested 281 million in R&D.

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