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Australia

## News Release

### **Ciba Specialty Chemicals presents a complete innovative solution concept to the plastics industry at AUSPLAS 2005, Melbourne**

Ciba Specialty Chemicals will be providing insights into its portfolios of leading effects and services to customers in the plastics industry, at AUSPLAS 2005 in Melbourne, from 26 to 29 September 2005.

At stand no. 62, visitors will have the opportunity to acquire an in-depth knowledge of the innovative additives and colouring solutions that Ciba has developed to confer sophisticated, high value effects to their products. These effects will add value to customers' business and offer the right kind of product differentiation that will help them grow competitively in the marketplace.

Ciba<sup>®</sup> Expert Services, a separate business unit in Ciba Specialty Chemicals that offers advisory services to the plastics industry, completes the one-stop, total solution concept that the company brings to customers.

In addition, as part of the SPE seminar series, Ciba will be giving a presentation entitled "Innovative Flame Retardant Solutions for Advanced Polymer Applications" on the afternoon of 29 September 2005 at First Floor, Melbourne Exhibition and Convention Centre. Marketing Manager, Industrial Segment Textiles Europe, Ms Chan Soke Meng will cover the different flame retardants and light stability effects that Ciba offers for different polymer applications.

For more information, please visit [www.cibasc.com/plastics](http://www.cibasc.com/plastics). A selection of Ciba products being highlighted include:

#### **1. Light stability & Weather Resistance**

##### **Ciba<sup>®</sup> TINUVIN<sup>®</sup> 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 state-of-the-art flexible PVC of around 10 years.

TINUVIN<sup>®</sup> 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.

## **2. 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 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.

## **3. 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.

## **4. Anti -microbial**

### **Ciba® IRGAGUARD® additives – integrated solutions that inhibit growth of micro organisms**

IRGAGUARD® range of anti-microbials provides built-in protection that effectively inhibits growth of micro organisms acting from the inside of the polymer to the outside surface, resulting in the protection of the product itself. In plastic applications, they help to eliminate discolouration and staining, reduce biofilm formation, reduce growth of algae and moss, and suppress odour development. The range of anti-microbials include IRGAGUARD® A against Algae, IRGAGUARD® B against Bacteria and IRGAGUARD® F against Fungi.

## **5. Polymer Specific Stabilisation Solutions**

A number of one-stop stabilization solutions are available for specific resin systems.

Two new innovations of special mention are: **Ciba® IRGASTAB® PUR**, a new liquid stabilisation package that fulfils the latest demanding market requirements in the polyurethane/foam industry. It exhibits good resistance to scorching, fogging, and textile staining. It especially provides outstanding resistance to foam discolouration which is a key requirement in sensitive foam applications such as car interior foams, shoes and brassieres. **Ciba® IRGASTAB® BOPP** is able to meet the needs of the Biaxially Oriented PP industry as it provides good process stability at high output. It helps to achieve efficient processability, low colour and good physical properties of BOPP films.

## **6. Colour and Appeal**

- **Ciba® CROMOPHTAL® pigments – high performance organic pigments**

The CROMOPHTAL® range of high-grade organic pigments possess very good fastness to light, heat, solvents and chemicals. It is particularly suitable for the colouration of plastics, fibers and speciality printing inks. Selected members of the range also find use in the paint industry due to their excellent weathering fastness.

The recent introduction of **CROMOPHTAL® Blue BCN** is a new, high-performance, red-shade Cu-phthalocyanine blue pigment with excellent colouristics and outstanding heat resistance, making it suitable for all polyolefin applications, including fibres and most engineering plastics.

- **Pigments for Transparent Polypropylene**

With a growing demand of transparent polypropylene in application areas such as packaging, house wares, films and tapes, there is an increasing demand for new, very transparent pigments with good technical performance.

With their attractive shades and high colour intensity, **Ciba® CROMOPHTAL® Yellow GT-AD**, **Ciba® CROMOPHTAL® DPP Orange TRP**, **Ciba® IRGAZIN® DPP Rubine TR**, **Ciba® IRGALITE® Blue BSP** and **Ciba® CROMOPHTAL® DPP Red 3092** are ideal pigments for transparent polypropylene and they also open up fascinating new styling possibilities in combination with the **Ciba® XYMARA®** effects pigments.

- **Ciba® MICRANYL® pigment concentrates – quality dispersion for PVC**

MICRANYL® ranges are pigment concentrates for mass colouration of flexible, semi-rigid and rigid PVC. They contain products for all applications and performance requirements and meet increasing market demand for predispersed, non-dusting and meterable forms.

The new **Ciba® MICRANYL® -NQ-F/NG-F** ranges comprise monopigment preparations with enhanced compatibility with a wide range of different PVC types and compounds. MICRANYL®-NQ-F pigment preparations are supplied as free-flowing, dust-free powders, and do not contain phthalate plasticisers. The benefits include improved industrial hygiene, excellent shade reproducibility and colour consistency and reduction in rework and waste. The preparation has application scope in toys, consumer goods and food packaging.

- **Ciba® MICROLEN® - MC pigment concentrates - dispersion for PO**

The MICROLEN®-MC range of pigment concentrates is a cost-effective, flexible source of colorants for the plastics and fibre industries. It consists of well-established pigments in a finely dispersed, free flowing and dust-free fine granular form with approximately 50% in a low molecular weight polyethylene homopolymer. The concentrates are easier to handle than powder pigments and can be used in automatic feeding systems. They give excellent colour consistency and very good correlation between laboratory colour matches and production results. Suitable for colouration of polyolefins, most rubber compounds and engineering plastics.

- **Ciba® FILOFIN® - dispersion for PP fibre**

FILOFIN® is a range of specially selected pigments dispersed in a fiber grade polypropylene carrier for the mass colouration of polypropylene fibers and tapes. The range of dust-free, meterable granules contains high value organic, classical and inorganic pigments of various chemical types.

All FILOFIN® preparations can be used in combination with each other. They disperse quickly in polypropylene melts and having excellent pigment dispersion, they offer excellent value in use.

## **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**

Colour matching and brand protection

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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, colour 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 2004, the Company generated sales of 7 billion Swiss francs and invested 288 million in R&D.

For further information:

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