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## News Release

### ***Ciba Specialty Chemicals presents a spectrum of innovative effects and services at the Asia Pacific Coatings Show 2005 in Singapore***

As a one-stop solution provider, Ciba Specialty Chemicals will be demonstrating its novel effects and comprehensive technical services at the Asia Pacific Coatings Show (APCS) in Singapore from 10-12 May 2005.

Visitors at Ciba **stand no. 600**, APCS 2005, will have the opportunity to experience the innovative, high value effects of Ciba pigments and additives such as colorants, light stabilizers, photo-initiators, dispersants, optical brighteners, algaecides, antioxidants and much more. These have been specially designed to meet today's demands in the automotive, industrial and decorative coatings, as well as inks and imaging sectors.

Complementing its range of pigments is a high quality, high-value range of vacuum-metalized aluminium pigments, Ciba® METASHEEN®, that give a wide choice of shiny, sparkling and mirror-like effects. They are suitable for a broad variety of end users, including packaging, paints, inks and cosmetics.

One of the highlights is a demonstration of the new Ciba® COLIBRI™ electronic color matching system. Ciba® COLIBRI™ QuickMatch Pro is designed for matching metallic colors and shades for inks to be printed on metallic surfaces without the use of a multi-angle spectrophotometer. Proven to be the most successful and accurate commercially available software, it enables customers to move into new application areas while adding value to existing ones.

In addition, new products from EFKA Additives will be jointly exhibited at the booth. In combination, customers across the various industries are able to experience a comprehensive, total solution concept from Ciba.

Innovative effects provided by Ciba include:

#### ***1. Light stabilizers***

##### ***Ciba® TINUVIN® 477 DW – a breakthrough high performance UV absorber for waterborne systems***

Based on hydroxy-phenyl-triazine chromophore, TINUVIN® 477 DW is an aqueous UV absorber preparation developed ideally for waterborne coatings. It has high extinction for excellent protection in thin layers and extended long wavelength UV-A range absorption. Its high stability and photo permanence provide superior protection and

fulfil the requirements of high performance industrial and decorative coatings. It is particularly suited for UV blocking varnishes on tinted or printed materials to prevent fading of the prints.

***Ciba® LIGNOSTAB™ 1198 – New concept for photo-protection of wood in indoor applications***

LIGNOSTAB™ 1198 is a photo-stabilizer developed specifically for wood pre-treatments. It is a unique lignin photo-oxidation inhibitor, highly effective for the color stabilization of natural and tinted or stained wood and for the durability improvement of wood substrates coated with clear and transparent pigmented finishes. It has synergistic protection with UV absorbers.

**2. Photo-initiators**

***Ciba® IRGACURE® 127 – unique photo-initiator with fast curing properties***

Unique patented photo-initiator based on alpha-hydroxy-ketone-chemistry, IRGACURE® 127 is a highly efficient UV curing additive for pigmented inks and overprint varnishes. It is used to initiate the photo-polymerisation of reactive pre-polymers in combination with mono or multifunctional monomers. This new photo-initiator is remarkable by its excellent reactivity, low sensitivity to oxygen inhibition and low emission and odor after curing. IRGACURE® 127 is especially suitable for all types of pigmented UV-inks and clear coatings.

***Ciba® IRGACURE® 379 – highly efficient UV curing agent***

IRGACURE® 379 is an aminoketone photo-initiator with outstanding curing performance. It is especially suitable for pigmented UV curable systems (from light to critical dark/dense colors), photo-resists and printing plates. Due to its excellent solubility, it is easy to incorporate into almost all formulations.

**3. Antimicrobials**

***Ciba® IRGAGUARD® H 6000 – antimicrobial***

An inorganic silver glass/zeolite based antimicrobial inhibiting the growth of gram-positive, gram-negative bacteria, mold and yeast on surfaces. IRGAGUARD® H 6000 provides odor control, hygiene maintenance and the possibility for product differentiation. It is especially suitable for use in coatings applications and gives durable efficacy in thin layers. The major targeted application is for use in decorative coatings, PVC flooring, parquet flooring, gel coats for sanitary applications, adhesives for medical applications, powder coatings and coil coatings.

**4. Pigments**

***Ciba® IRGAZIN® Yellow 2GTA – superior bismuth vanadate for high alkaline systems or substrates***

IRGAZIN® Yellow 2GTA is a greenish-yellow bismuth vanadate pigment with significantly improved alkaline stability, compared to the standard bismuth vanadate pigments, while offering similar color strength and coloristical properties. It provides excellent weatherfastness, heat stability, high saturation, high opacity and very good flow.

***Ciba® IRGAZIN® DPP Red Ultra Opaque – exceptional hiding power***

Ciba® IRGAZIN® DPP Red Ultra Opaque, based on diketo-pyrrolo-pyrrole chemistry, is a saturated blue shade red which facilitates developments in the "Bordeaux" shade area.

The key feature of this pigment is that it allows paint manufacturers to optimize their formulations drastically with regard to film thicknesses and/or pigment concentration.

More information is also available on [www.cibasc.com](http://www.cibasc.com)

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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, 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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