



Nissin Chemical and Shin-Etsu MicroSi Announce First Vinyl Resin Products Used for Paints, Coatings, Inks and Adhesives

Product quality and consistency are hallmarks of the high purity vinyl resins; one is water-based, the other solvent-based

Phoenix, AZ, March 26, 2014 – Nissin Chemical of Japan and Shin-Etsu MicroSi of Phoenix have introduced two solution vinyl resin products, key components in the manufacturing of paints, coatings, inks, adhesives and films. Both Nissin Chemical and Shin-Etsu MicroSi are wholly owned subsidiaries of Shin-Etsu Chemical, the world's largest supplier of semiconductor materials and silicones, PVC resins, synthetic quartz glass and methylcellulose.

The **Vinyblan** series is a groundbreaking water-based emulsion developed using the company's unique polymerization technology. It leverages the features of vinyl chloride to provide:

- Excellent adhesion
- Colorant dispersion
- Flame resistance
- Chemical stability with other emulsions
- Water based environmentally friendly emulsion

The Vinyblan product line has been tested for use as a coating on painted surfaces to improve resistance properties and as a vehicle in paint manufacturing to improve color, dispersion and viscosity. It has a strong polarity from vinyl chloride resin and excellent chromogenic properties when printing. Vinyblan is sold in cans, drums and totes; free samples are available at the company's website.

The **Solbin** series is a modified copolymer resin combining the toughness of vinyl chloride with the strong adhesiveness and plasticity of vinyl acetate. The solvent-based Solbin products exhibit the following characteristics:

- Forms an odorless, tasteless and transparent film
- Is highly resistant to chemicals such as acids, alkalis and brine
- Forms a coating film resistant to water, fire-retardant, self-extinguishing, thermoplastic, and heat-sealable.

The Solbin products are sold in 20 to 25 kg bags and are also available for sampling.

Earlier this year it was announced that Nissin Chemical would manufacture the resins in Japan and Shin-Etsu MicroSi will fulfill sales, distribution and applications support in the U.S.

Nissin Chemical of Takefu, Japan, is a major supplier of vinyl resins and copolymers to the Asian and Indian markets.

Background

Nissin Chemical Industry Co. Ltd. has been manufacturing the functional resins since the early 1960s and can improve intrinsic performance and characteristic functionality, like texture and other properties. It was established in 1955 and acquired by Shin-Etsu in 1965. Nissin Chemical is ISO 9002 quality certified, ISO 14001 environmental certified and has obtained ISO 9001:2000 registration. Shin-Etsu MicroSi has an established history of sales, distribution and applications support, having served the semiconductor materials market for over 25 years.

About Shin-Etsu MicroSi

Shin-Etsu MicroSi Inc. is a wholly owned subsidiary of Shin-Etsu Chemical Co., Ltd. With headquarters in Phoenix, Arizona, Shin-Etsu MicroSi provides high performance products and materials, specifically designed to address today's photolithography, packaging, LED, and coatings requirements through its research, development and manufacturing. Founded as a General Electric subsidiary in 1984, Shin-Etsu MicroSi became part of the Shin-Etsu group in 1989. www.microsi.com

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