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Technical Data Sheet

AHA6313

Curing accelerator for powder coatings

Description

AHA6313 is an imidazole based curing accelerator used to accelerate the cure of powder coatings based on the carboxyl-epoxy reaction, or for pure epoxy systems.

Typical properties

Appearance	[visual]	Pale yellow crystal
Assay (GC)	(%)	＞98.5
Melting point	(℃)	56-62
Volatiles	(%)	≤ 1.5

Herein described to be typical properties and do not constitute specification limits.

Application

AHA6313 is recommended as curing accelerator/catalyst used in powder coatings to accelerate the cure courses for reducing the cure temperature or shorten the required bake time at a given cure temperature. The typical coating systems include hybrids such as polyester-epoxy, carboxyl acrylic-epoxy, polyester-TGIC and polyesters cured by GMA functional acrylics.

Process & Use level

Approx. 0.1 to 0.3% by weight, calculated on total formulation. Each application should be tested to determine the optimum use level to achieve the desired cure time and coating properties.

AHA6313 is added to the binder/pigment blend before extrusion.

Shelf life

Based on our experience the shelf life of this product is at least within one year from date of manufacture. For older than this period, it is recommended to check the acid value.

Storage & Notice

Store in temperature between 2 and 35℃ or cool dry place to avoid wetting-absorption.

Handing & Precaution

Avoid contact with eyes and skin. Avoid breathing dust. Wash after handling.

For further information, please refer to the SDS

Regulatory status

AHA6313 complies with TSCA (USA), DSL/NDSL (Canada) and IECSC(China).

Package

Packaged in paper-plate drum with polyethylene liner. Net weight 25 Kg or 40kg/drum