

ESCAT 110 CATALYST FOR POWDER COATINGS

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THE EDGE OF INNOVATION

GENERAL DESCRIPTION

ESCAT 110 is an imidazole catalyst supplied in the undiluted, 100% active form. It is used to accelerate the cure of powder coatings based on the carboxyl-epoxy reaction, or for pure epoxy systems. Typical systems include hybrids such as polyester-epoxy, carboxyl acrylic-epoxy, and polyesters cured by GMA functional acrylics. Polyester-TGIC and polyester- PT-910 reactions can also be accelerated. The key benefit of incorporating ESCAT 110 is to reduce the cure temperature of a particular system, or shorten the required bake time at a given cure temperature.

Recommended usage level is 0.1 – 0.3% of ESCAT 110 based on total formula weight. Each application should be tested to determine the optimum catalyst level to achieve the desired cure time and coating properties. ESCAT 110 is also available in a 50% wax masterbatch form called ESCAT 50.

TYPICAL PROPERTIES*

Appearance	White or Light Yellow Powder
Purity	99% minimum
Melting Point	127 - 132°C
Water Content	0.5% maximum

* Not to be used for specification purposes

REGULATORY LISTINGS

The components of this material are either listed or exempt from listing due to polymer exemption criteria for the following chemical inventory listings: EINECS (Europe), ENCS (Japan), IECSC (China), NDSL (Canada), PICCS (Philippines), NZIoC (New Zealand), SWISS (Switzerland), TSCA (USA)

PACKAGING (NET WEIGHT)

55 lb. / 25.0 kg in Fiber drum with polyolefin liner

PRODUCT AVAILABILITY

This product is commercially available and may require lead time.

STORAGE AND HANDLING

Store in a dry, cool area and avoid excessive heat. Shelf life of unopened containers is one year from date of shipment. See SDS for additional information.

CONTACT INFORMATION

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TDS Revised by: C. Miller

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