

OMICURE® DDA 100

Crystalline Dicyandiamide
CAS No. 461-58-5

DESCRIPTION

OMICURE® DDA 100 is coarse, unground grade of dicyandiamide, a solid latent curing agent for epoxy resins. It is one of several grades of dicyandiamide offered by CVC Thermoset Specialties that differ in particle size. OMICURE DDA 100 is primarily designed for use in solvent-based compositions. Without an accelerator, such as a substituted urea, dicyandiamide has an activation temperature of about 350 °F. When catalyzed with a latent accelerator, like one of the OMICURE U series of substituted ureas, one-component adhesive, sealant and coating formulas can be prepared with cure temperatures of 225-250 °F. OMICURE DDA 100 will help provide cost-effective elevated-temperature-cured adhesives, prepregs, composites and other formulated systems. No flow control agents are added to OMICURE DDA 100.

Epoxy systems cured with OMICURE DDA 100 are characterized by outstanding adhesion, making it a preferred choice for cost-effective adhesive and coating formulations. It is compatible with all epoxy resins, including bisphenol A and F epoxies and epoxy novolacs, can be used with diluted or undiluted resins, and is compatible with a wide variety of fillers and pigments. OMICURE DDA 100 is safe to handle and is considered nontoxic.

APPLICATIONS

- One-component adhesives
- Epoxy powder coatings
- Electronic potting and encapsulating compounds
- Industrial coatings

TYPICAL PROPERTIES

Appearance	White crystalline powder
Onset Melting Point, °C	207 – 212
Melamine Content, max %	1.5
Moisture Content, loss @ 105 °C, max %	0.50

PACKAGING & AVAILABILITY

OMICURE DDA 100 is available in 55 lb/25 kg reinforced plastic bags.

HEALTH & SAFETY PRECAUTIONS

OMICURE DDA 100 is not flammable, corrosive or explosive. Dicyandiamide will decompose slowly above 80 °C in water to generate ammonia, so material should be kept dry and away from steam pipes or excessively hot areas. While OMICURE DDA 100 is not a primary skin or eye irritant, epoxy resins in which it is used can produce irritation. Removal with soap and water is sufficient. Avoid using solvents as these can dry the skin and increase the irritation potential of epoxy resins.

Refer to CVC Thermoset Specialties Material Safety Data Sheet on OMICURE DDA 100 for additional safety and health information. The MSDS is revised as new data becomes available.

DISCLAIMER

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CVC Thermoset Specialties
844 North Lenola Road / Moorestown, NJ 08057
Phone: 856-533-3000 / Fax: 856-533-3003 / www.cvcthermoset.com



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