# 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 that differ on 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 coatings 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 non-toxic.

## TYPICAL PROPERTIES

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

## 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.

## APPLICATIONS

- ❑ One Component Adhesives
- ❑ Epoxy Powder Coatings
- ❑ Prepregs and Film Adhesives
- ❑ Electronic Potting and Encapsulating Compounds

## PACKAGING & AVAILABILITY

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

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

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