

## IsoQure<sup>®</sup> DCD LER 50

**Chemical name:** Dicyandiamide, Cyanoguanidine

**CAS Number:** 461-58-5

**EINECS Number:** 207-312-8

## Material Definition

**Viscosity:** Paste

**Dicyandiamide Content:** 50% ( $\pm 1\%$ )

**Particle Size:** 98%  $\leq 10\mu\text{m}$

**Water Content:**  $\leq 0.1\%$

## Application

IsoQure<sup>®</sup> DCD LER 50 is a paste of dicyandiamide and liquid epoxy resin. It simplifies handling and improves dispersibility in liquid epoxy resins as a master batch for composites and adhesives. Depending on curing conditions, one dicyandiamide molecule reacts with 6-7 epoxy groups. This reaction results in an empirical H- equivalent weight of 12-14 g/eq. for dicyandiamide. Recommend temperature for cure is between 70 °C and 160 °C depending on desired cure cycle and the accelerators being used in combination with IsoQure<sup>®</sup> DCD LER 50.

## Handling, Storage and Packaging

Store this material in a clean, dry environment in its tightly closed original container. These products are not considered especially temperature or moisture sensitive, but should ideally be stored at temperatures between 18-25°C and kept from moisture contamination. Storage at lower temperatures could lead to crystallization and may require the application of heat to reverse. If the product appears crystalline or is thicker than normal when

opened, heat for 4-6 hours at 65°C to re-liquefy prior to use. If the recommended storage conditions are observed the products will have a minimum shelf- life of 24 months from the date of shipment.

The processing and use of IsoQure® DCD LER 50 requires adequate technical and professional knowledge. Please consult safety data sheet and observe local safety regulations. The legal requirements prevailing in your country, especially in the avoidance of accidents, working hygiene and patent rights must be observed.

## Regulatory Information

**EU REACH registered:** Yes

## Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

## Disclaimer / Conditions



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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy \(/info/shelflife\)](#).

For updates on product information, please check this web page regularly:  
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