

## Product information

# IMICURE<sup>®</sup> AMI-1

## Curing Agent

### DESCRIPTION

Imicure AMI-1 curing agent is a liquid, elevated-temperature curing agent for epoxy resins. It is readily compatible with both liquid and solid epoxy resins, and because it is a catalytic curing agent, it is used at low loadings of 1-5 phr.

### TYPICAL PROPERTIES

| Property                        | Value              | Unit |
|---------------------------------|--------------------|------|
| Appearance                      | Pale Yellow Liquid |      |
| Purity                          | min 99             | %    |
| Water                           | < 0.5              | %    |
| Boiling Range @1.3 kPa          | 72-73              | °C   |
| Melting Point                   | -1 to -2           | °C   |
| Density                         | 0.4 - 0.6          | g/ml |
| Flash Point (open cup)          | 92                 | °C   |
| Recommended Use Level (EEW=190) | 2-4                | phr  |

### BENEFITS

- Compatible with liquid resin
- Dicyandiamide accelerator
- Develops Tg ≈ 150°C in heat-cured Systems
- Soluble in water and most common polar organic solvents

### APPLICATIONS

- Adhesives
- Pre-preg Composites
- Encapsulation

### STORAGE AND HANDLING

Refer to the Safety Data Sheet for Imicure AMI-1 curing agent.

## SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

## TYPICAL HANDLING PROPERTIES

| Property  | Value | Unit |
|---|-------|------|
| 4 phr, ground to 80 mesh                        |       |      |
| Pot Life @ 25°C (200 g mass w/ 1% fumed silica) | 8     | h    |

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