

IMICURE® 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.

BENEFITS

- Compatible with liquid resin
- Dicyandiamide accelerator
- Develops $T_g \approx 150^\circ\text{C}$ 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.

TABLE 1: TYPICAL PROPERTIES

Appearance	Pale Yellow Liquid
Purity (min) (%)	99
Water (%)	<0.5
Boiling Range @ 1.3 kPa (°C)	72-73
Melting Point (°C)	-1 to -2
Density (g/ml)	1.04
Flash Point (open cup) (°C)	92
Recommended Use Level (phr, EEW=190)	2-4

TABLE 2: TYPICAL HANDLING PROPERTIES

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

Epoxy Curing Agents and Modifiers

IMICURE® AMI-1 Curing Agent

EVONIK CORPORATION

7201 Hamilton Blvd.
Allentown, PA 18195
1 800 345-3148
Outside U.S. and Canada 1 610 481-6799

For Technical Information and Support:

Americas: picus@evonik.com
EMEA: apcse@evonik.com

Disclaimer

The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

