

Description

ETHACURE 100 curative is an effective curing agent for polyurethanes and epoxy resins. It may also be used as a chain extender for polyurethane and polyurea elastomers, particularly in reaction injection molding and spray applications.

Typical composition

| | |
|------------------------------------|-------|
| 3,5-diethyltoluene-2,4-diamine, % | 75–81 |
| 3,5-diethyltoluene-2,6-diamine, % | 18–20 |
| Dialkylated m-phenylenediamines, % | 0.5–3 |
| Water, % | <0.08 |

Typical properties

| | |
|-------------------------------------|------------------------------|
| Appearance | Clear, light colored liquid* |
| Molecular weight | 178.28 |
| Boiling point, °F (°C) | 555 (308) |
| Density at 68°F (20°C), g/ml | 1.022 |
| lb/gal | 8.50 |
| Pour point, °F (°C) | 15 (-9) |
| Flash point (TCC), °F (°C) | >275 (>135) |
| Viscosity at 68°F (20°C), cSt | 280 |
| Viscosity at 77°F (25°C), cSt | 155 |
| Solubility | |
| Ethanol | Miscible |
| Toluene | Miscible |
| Water | 1.0 |
| Equivalent weight with isocyanates | 89.1 |
| Equivalent weight with epoxy resins | 44.6 |

*Darkens with time and exposure to air

Shipping information
Container sizes:

Tank cars
 Tank trailers
 Drums: 5-and 55-gal, non-returnable, steel

Shipping classification:

US DOT: Not regulated in transportation
 IMCO or ICAO: Class 9

Other information:

US TSCA Chemical Inventory Number: CAS 68479-98-1

Safety and handling information

Before handling or using this product, the material safety data sheet should be read and understood. This can be obtained from your Albemarle sales representative.

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