

Description

ETHACURE 300 curative, a liquid aromatic diamine with low chronic toxicity, is an effective curative for polyurethane cast elastomers. It is used in both hot and room-temperature casting. Other uses include as a slower chain extender for polyurethane urea and polyurea elastomers in reaction injection molding, structural reaction injection molding and hand-applied and spray coating applications, alone or in blends with ETHACURE 100 curative.

Typical composition

Dimethylthiotoulenediamine, %	95–97
Monomethylthiotoulenediamine, %	2–3
Total diamines, %	>99
Water, %	<0.08

Typical properties

Appearance	Clear, yellow liquid*
Molecular weight	214
Boiling point at 16.8 torr, °F (°C)	392 (200)
Density at 68°F (20°C), g/ml	1.208
lb/gal	10.08
Pour point, °F (°C)	39 (4)
Flash point, (PMCC), °F (°C)	349 (176)
Vapor pressure at 68°F (20°C), mm Hg	<0.01
Viscosity at 68°F (20°C), cSt	690
Solubility, 68°F (20°C), wt %	
Ethanol	Miscible
Toluene	Miscible
Water	<0.03
Heptane	3.5
Equivalent weight with isocyanates	107
Equivalent weight with epoxy resins	53.5

*Darkens with time and exposure to air

Shipping information
Container sizes:

Drums: 5- and 55-gal, nonreturnable steel

Shipping classification:

US DOT: Not regulated in transportation

IMCO or ICAO: Not regulated in transportation

Other information:

US TSCA Chemical Inventory Number: CAS 106264-79-3

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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