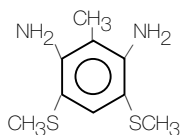
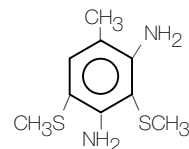


Description

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: a slower chain-extender for polyurethane-urea and polyurea elastomers in Reaction Injection Molding (RIM), Structural RIM (SRIM) and hand-applied and spray coating applications—alone or in blends with ETHACURE 100 Curative.



(2, 6-isomer)



(2, 4-isomer)

Dimethylthiotoluenediamine (DMTDA)
(Major isomers)
CAS 106264-79-3

3, 5-dimethylthio-2, 6-toluenediamine;
 3, 5-dimethylthio-2, 4-toluenediamine

Typical Composition

Dimethylthiotoluenediamine, %	95-97
Monomethylthiotoluenediamine, %	2-3
Total diamines, %	> 99
Water, %	< 0.08

Typical Properties

Appearance	clear, yellow liquid*
Molecular weight	214
Boiling point, at 16.8 torr	
°C	200
°F	392
Density, at 20°C [68°F]	
g/mL	1.208
lbs/gal	10.08
Pour point, °F (°C)	39 (4)
Flash point, (PMCC), °F (°C)	349 (176)
Vapor pressure at 20°C [68°F], mm Hg.....	< 0.01
Viscosity at 20°C [68°F], centistokes.....	690
Solubility, 20°C, wt %	
Ethanol	miscible
Toluene	miscible
Water	< 0.03
Heptane.....	3.5
Equivalent weight with isocyanates	107
Equivalent weight with epoxies	53.5

***Darkens with time, upon exposure to air**

Shipping Information

Container Information

Drums: 5-gallon and 55-gallon, non-returnable, steel

Shipping Classification

U.S. DOT: not regulated in transportation

IMCO or ICAO: not regulated in transportation

Other Information:

U.S. TSCA Chemical Inventory Number: CAS 106264-79-3

Toxicology

For information on the toxicology and safe handling of this product, refer to the material safety data sheet. Copies are available upon request.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.



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