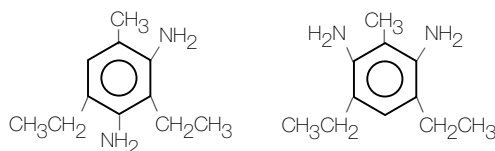


Description

ETHACURE 100-LC curative is a low-color curing agent for polyurethanes and epoxies. It may also be used as a chain-extender for polyurethane and polyurea elastomers, particularly in Reaction Injection Molding (RIM) and spray applications; as an antioxidant for elastomers, lubricants and industrial oils; and as a chemical intermediate.

ETHACURE 100-LC curative is the lowest-colored aromatic amine curative commercially available. Special production techniques and a patented, proprietary stabilizer system, added at only ppm levels, produce a curative with extremely low initial color and increased color stability, as well as all the performance qualities of Ethacure 100 curative.



DIETHYLTOLUENEDIAMINE (DETDA)
(Major isomers)
CAS 68479-98-1

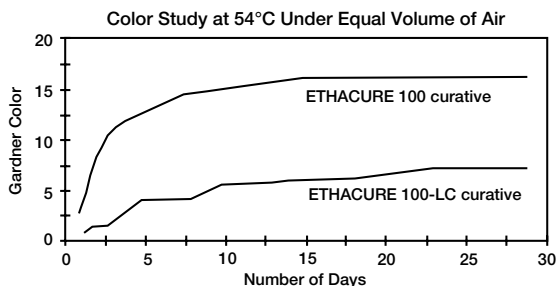
3,5-diethyltoluene-2,4-diamine;
 3,5-diethyltoluene-2,6-diamine

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*
Color, Gardner scale	~ 2.0 (when packaged), see graph
Molecular weight.....	178.28
Boiling point, °F/°C.....	555/308
Density at 20°C, g/mL	1.022
lbs/gal.....	8.50
Pour point, °F/°C.....	15/-9
Flash point, TCC, °F/°C.....	> 275/> 135
Viscosity at 20°C, centistokes.....	280
Viscosity at 25°C, centistokes	155
Solubility	
Ethanol.....	miscible
Toluene	miscible
Water	1.0
Equivalent weight with isocyanates.....	89.5
Equivalent weight with epoxies	44.3



***Darkens with time and exposure to air.**

Shipping Information

Container sizes:

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

Shipping Classifications:

U.S. DOT: not regulated in transportation
IMCO or ICAO: not regulated in transportation

Other Information:

U.S. TSCA Chemical Inventory Number: CAS 68479-98-1

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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