

# ETHACURE® DETDA

## DESCRIPTION

Diethyltoluenediamine is an effective extender for polyurethane elastomers, particularly in RIM applications. Other uses are as curing agent for polyurethanes and epoxies; antioxidant for elastomers, lubricants and industrial oils; and as a chemical intermediate.

## TYPICAL COMPOSITION

3,5-Diethyltoluene-2,4-diamine, %	75.5-81.0
3,5-Diethyltoluene-2,6-diamine, %	18.0-20.0
Dialkylated m-phenylenediamines, %	0.5 - 3.0
Other trialkylated m-phenylenediamines, %	0.0 - 0.4
2,4,6-triethylbenzene, 1,3-diamine, %	0.0 - 0.1

## TYPICAL PROPERTIES

Appearance	clear, amber liquid *
Molecular weight	178.28
Boiling point, °C (°F)	308 (586)
Density at 20°C, g/mL	1.022
Density at 20°C, lbs/gal	8.50
Pour point, °C (°F)	-9 (15)
Flash point, TCC, °C (°F)	135 (>275)
Viscosity at 20°C, centistokes	280
Viscosity at 25 °C, centistokes	155
Solubility	
Ethanol	Miscible
Toluene	Miscible
Water	1.0

*An asterisk (\*) indicates that this will darken with time and exposure to air.*

## SHIPPING INFORMATION

### Container sizes:

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

### Shipping classification:

U.S. DOT: not regulated in transportation  
IMCO or ICAO: Class 9

### Other information:

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

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## **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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