

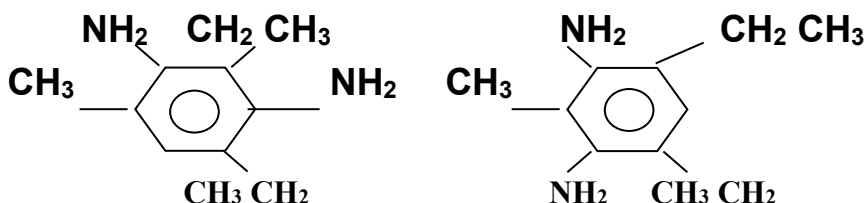


HARTCURE 10

DESCRIPTION

HARTCURE 10 Curative is an effective curing agent for Polyurethane and Epoxy resins. 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.

STRUCTURAL FORMULA



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
Content of Diamine, %	> 98.00
Dialkylated m-phenylenediamines, %	0.5 - 3.0
Water, %	< 0.10
Content of Free TDA, %	< 0.50
Amine Number, mgKOH/g	620~640

PHYSICAL PROPERTIES OF HARTCURE 10 CURATIVE

Appearance	light - yellow thick liquid*
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.



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TOXICOLOGY

For information on the toxicology and safe handling of this product, refer to the Material Safety Data Sheet.

PACKAGE

200kg per iron drum