



Qingdao Exceed Fine Chemicals Co., Ltd
 青岛埃克斯精细化工有限公司

● **DETDA(E100)**

埃克斯精细化工
 EXCEED CHEM

Polyurethane Division 2015/03/31 Revised

EXCEEDCHEM-20150331

DETDA (E100)

Technical Data Sheet

Product Name	Diethyltoluenediamine(DETDA)	
Applications	Diethyltoluenediamine is a very effective chain extender of polyurethane elastomer, in particular for RIM (reaction injection molding) and SPUA (Spray Polyurea Elastomer). Other uses are as curing agent for polyurethanes and epoxy resin; antioxidant for elastomers, lubricants and industrial oils; and as a chemical intermediate.	
Trade Name	Ethacure 100 (Albemarle); DETDA 80(Lonza)	
Synonyms	Diethylmethylbenzenediamine (French) (DSL, EINECS) diethylmethylbenzenediamine (EINECS) Diethylmethylbenzoldiamin (German) (EINECS) dietilmetilbencenodiamina (Spanish) (EINECS) ar,ar-Diethyl-ar-methylbenzenediamine (ECL) TOLUENE, DIAMINE-, DIETHYL- (PICCS)Diethyltolue nediamine	
Structural Formula		
Formula	C ₁₁ H ₁₈ N ₂	
Molecular Weight	178.28	
CAS No.	68479-98-1	
Specifications	Assay	≥97%(GC,area,Calculated)
		3,5-Diethyltoluene-2,4-diamine: 75.5~81.0%(GC, area)
		3,5-Diethyltoluene-2,6-diamine: 18.0~20.0%(GC, area)
	Dialkylated m-phenylenediamines: 0.5~3.0%(GC,area,Calculated)	
	Water	≤0.08% (w/w) (KF)
Typical Properties	Appearance	Light yellowish liquid. Darkens with time and exposure to air.

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 TEL: +86-532-82693198 FAX: +86-532-82693196 Website: <http://www.tdimdipolyurethane.com>
 Technical Support: +86-15275281902 Email: info@exceedchemical.com



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	Pour point	-9°C
	Boling point	308°C
	Density	1.022g/ml(20°C)
	Flash point	>135°C(TCC)
	Viscosity	280centistokes(20°C); 155 centistokes(25°C)
	Equivalent weight with isocyanates	89.1
	Equivalent weight with epoxy resins	44.6
Handling	Packaging	Bulk quantities in rail/road tank containers or steel drums Net weight 200KG/drum
	Toxicity	Acute dermal toxicity(LD50, rat) > 2000mg/kg
	Transportation	UN:3082; Packing Group:III; Class:9
	MSDS	MSDS is available upon request. Please contact: info@exceedchemical.com

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