



Qingdao Exceed Fine Chemicals Co., Ltd
青 岛 埃 克 斯 精 细 化 工 有 限 公 司

● **DMTDA(Ethacure300)**

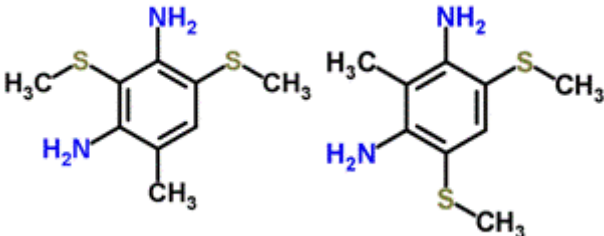
埃 克 斯 精 细 化 工
EXCEED CHEM

Polyurethane Division 2023/09/06 Revised

EXCEEDCHEM-20230906

DMTDA (Ethacure 300)

Technical Data Sheet

Product Name	Dimethylthiotoulenediamine(DMTDA)	
Applications	DMTDA 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 as a slower chain extender for polyurethane urea and polyurea elastomers in reaction injection molding, structural reaction injection molding and hand-applied and spray coating applications, alone or in blends with DETDA curative.	
Trade Name	Ethacure 300 (Albemarle)	
Synonyms	Diethylmethylbenzenediamine (French) (DSL, EINECS) diethylmethylbenzenediamine (EINECS) Diethylmethylbenzoldiamin (German) (EINECS) dietilmetilbencenodiamina (Spanish) (EINECS) ar,ar-Diethyl-ar-methylbenzenediamine (ECL) TOLUENE, DIAMINE-, DIETHYL- (PICCS)Diethyltoluenediamine	
Structural Formula		
Formula	$C_9H_{14}N_2S_2$	
Molecular Weight	214.35	
CAS No.	106264-79-3	
Specifications	Assay	$\geq 97\%$ (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	$\leq 0.08\%$ (w/w) (KF)

ADD: No.166 Zhengyang Middle Road, Chengyang District, Qingdao, China. 266000
TEL: +86-532-82693198 FAX: +86-532-82693196 Website: www.tdimdipolyurethane.com
Technical Support: +86-15275281902 Email: info@exceedchemical.com



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Typical Properties	Appearance	Light yellowish liquid. Darkens with time and exposure to air.
	Pour point	-9℃
	Boling point	308℃
	Density	1.022g/ml(20℃)
	Flash point	>135℃(TCC)
	Viscosity	280centistokes(20℃); 155 centistokes(25℃)
	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	Oral (Rat) LD50: 1515 mg/kg
	Transportation	UN:3082; Packing Group:III; Class:9
	MSDS	MSDS is available upon request. Please contact: info@exceedchemical.com



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