



# Product Specification

cdhfinechemical.com

## DIETHANOLAMINE FOR SYNTHESIS

PRODUCT CODE	070545
SYNONYMS	--
C.I. NO.	--
CASR NO.	(111-42-2)
ATOMIC OR MOLECULAR FORMULA	C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub>
ATOMIC OR MOLECULAR WEIGHT	105.14
PROPERTIES	Active base, combustible.
PARAMETER	LIMIT
Description	Colourless to faint yellow viscous liquid.
Solubility	10% solution in water is clear and colourless.
Minimum assay (By GC)	98.0%
Wt. per ml (at 20°C)	1.096-1.100 g
Refractive Index (n) <sup>20</sup> <sub>D</sub>	1.476-1.477
<b>MAXIMUM LIMIT OF IMPURITY</b>	
Water (KF)	0.5%
<b>Note(s) : Assay (if applicable) method mentioned.</b>	
<b>WARNING</b> <b>Hazard statements</b> : May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May be corrosive to metals <b>Precautionary statements</b> <b>Prevention</b> : Keep only in original container. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. <b>Response</b> : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Absorb spillage to prevent material damage. <b>Disposal</b> : Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large volumes of running water.	<b>IMDG Code</b> : 9/III <b>UN No.</b> : 3077 <b>IATA</b> : 9
<b>Hazard Pictogram(s) :</b>	 GHS05  GHS07  GHS08

Replace date 10-Feb-2026