

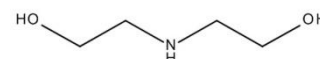


# Product Specification

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## DIETHANOLAMINE FOR SYNTHESIS

<b>PRODUCT CODE</b>	<b>070545</b>
<b>SYNONYMS</b>	--
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(111-42-2)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>4</sub>H<sub>11</sub>NO<sub>2</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>105.14</b>
<b>PROPERTIES</b>	<b>Active base, combustible.</b>



<b>PARAMETER</b>	<b>LIMIT</b>
Description	A clear viscous liquid.
Solubility	Miscible with water. 10% solution in water is clear and colourless.
Minimum assay (Acidimetric)	98.0%
Wt. per ml (at 20°C)	1.096-1.100 g
Freezing Point	26-27°C
Refractive Index (n) <sub>D</sub> <sup>20</sup>	1.476-1.477

### MAXIMUM LIMIT OF IMPURITY

Water (KF)	0.5%
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**Note(s) : Assay (if applicable) method mentioned.**

<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.	IMDG Code : 9/III UN No. : 3077 IATA : 9
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**Hazard Pictogram(s) :**



GHS05



GHS07



GHS08

Replace date 29-May-2023