

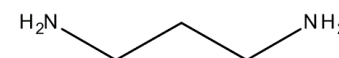


# Product Specification

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## 1,3-DIAMINO PROPANE AR

<b>PRODUCT CODE</b>	507175
<b>SYNONYMS</b>	1,3-Propane diamine, DAP, TMEDA, Trimethylenediamine.
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(109-76-2)
<b>ATOMIC OR MOLECULAR FORMULA</b>	C <sub>3</sub> H <sub>10</sub> N <sub>2</sub>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	74.13
<b>PROPERTIES</b>	--



<b>PARAMETER</b>	<b>LIMIT</b>
Description	Clear, colourless liquid.
Minimum assay (GC)	98.0%
Wt. per ml at 20°C	About 0.89 g
Boiling range	137 – 140 °C
Refractive index (n) <sub>D</sub> <sup>20</sup>	1.4555 – 1.4595

**Note(s) : Assay (if applicable) method mentioned.**

### **DANGER**

**HAZARD STATEMENTS :** Flammable liquid and vapour. Combustible Liquid. Toxic if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage.

### **PRECAUTIONARY STATEMENTS :**

**Prevention :**Keep away from flames and hot surfaces. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Use explosion-proof electrical/ventilating/lighting/equipment. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.

**Response :**Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use alcohol-type foam for extinction. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES:Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire, use dry agent for extinction. Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

IMDG Code : 6.1(8)/II  
UN No. : 2922  
IATA : 6.1(8)

**Disposal :** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and

Hazard Pictogram(s) :



GHS02



GHS05



GHS06