

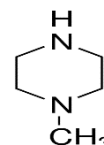


# Product Specification

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## 1-METHYL PIPERAZINE FOR SYNTHESIS

PRODUCT CODE	158725
SYNONYMS	--
C.I. NO.	--
CASR NO.	(109-01-3)
ATOMIC OR MOLECULAR FORMULA	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub>
ATOMIC OR MOLECULAR WEIGHT	100.16
PROPERTIES	Hydroscopic liquid, amine like odour, combustible



PARAMETER	LIMIT
Description	Colourless to pale yellow liquid.
Solubility	Miscible with water & alcohol forming clear solution.
Minimum assay (GC)	99.0%
Wt. per ml at 20°C	0.902 – 0.905 g
Refractive index	1.460 – 1.466
Boiling range	136 – 138 °C

### MAXIMUM LIMIT OF IMPURITY

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

### DANGER

**HAZARD STATEMENTS** : Highly flammable liquid and vapour. Fatal if inhaled. Toxic if swallowed. Causes severe skin burns and eye damage.

### PRECAUTIONARY STATEMENTS :

**Prevention** : Wear protective gloves/clothing and eye/face protection. Ground/bond container and receiving equipment. Do not breathe dust or mist. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Wear respiratory protection. Wear protective gloves and eye/face protection. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment.

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

IMDG Code: 3(8)/II  
UN No. : 2734  
IATA : 3(8)

**Disposal** : The chemical is disposed off by its slow addition to an excess of water. The final concentration should not be greater than 2%. Neutralize with 5% hydrochloric acid and run to waste with large quantities of running water.

### Hazard Pictogram(s) :



Replace Date : 3-April-2018