



Product Specification

|                             |                                            |
|-----------------------------|--------------------------------------------|
| E Control                   | QC2\DATAD\D:\PS\37877XPS.xls               |
| PRODUCT CODE                | 37877                                      |
| PRODUCT NAME                | CYCLOPENTANE 95% LR (for synthesis)        |
| SYNONYMS                    | Pentamethylene                             |
| C.I. NO.                    | N/A                                        |
| CASR NO.                    | 287- 92- 3                                 |
| ATOMIC OR MOLECULAR FORMULA | C <sub>5</sub> H <sub>10</sub>             |
| ATOMIC OR MOLECULAR WEIGHT  | 70.13                                      |
| PROPERTIES                  | Store less than 30°C. Dangerous fire risk. |



| PARAMETER             | LIMIT                                                 |
|-----------------------|-------------------------------------------------------|
| Description           | A clear colourless liquid.                            |
| Solubility            | Immiscible with water. Miscible with alcohol & ether. |
| Minimum Assay (By GC) | 95.0%                                                 |
| Wt.per ml at 20°C     | 0.740 -0.745 g                                        |

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

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| <p><b>DANGER :</b></p> <p><b>HAZARD STATEMENTS :</b> May cause respiratory irritation. Highly flammable liquid and vapour. Causes eye irritation. Harmful to aquatic life with long lasting effects.</p> <p><b>PRECAUTIONARY STATEMENTS :</b></p> <p><b>Prevention :</b> Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Wash hands thoroughly after handling. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.</p> <p><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. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use dry agent for extinction.</p> <p><b>Disposal :</b> Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.</p> | <p>IMDG Code : 3/II</p> <p>UN No. :1146</p> <p>IATA :3</p> |
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Hazard pictogram(s) :



Skin irritation



Flammable liquids

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|-----------------------------|----------------------------|-------------------------------|---------------------------|
| Prepared By : MANISH PATEL  | Checked By: K.B.DESAI      | Approved By: S.S.TOLIA        | Issue Date : 01/07/2002   |
| Name/Dept. : Officer (Q.A.) | Name/Dept. :Incharge(Q.A.) | Name/Dept. : Incharge (Tech.) | Revision No.: 03          |
| Sign. :                     | Sign. :                    | Sign. :                       | Revision dt. : 13/09/2011 |
| Date : 02/09/2011           | Date : 02/09/2011          | Date : 13/09/2011             | AMEND NO. : P075          |