



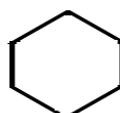
SDFCL
s d fine-CHEM LIMITED

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\25282XPS.xls
PRODUCT CODE	25282
PRODUCT NAME	CYCLOHEXANE FOR HPLC & SPECTROSCOPY
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	110-82-7
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₁₂
ATOMIC OR MOLECULAR WEIGHT	84.16
PROPERTIES	



PARAMETER	LIMIT
Description	A clear and colourless liquid.
Solubility	Miscible with absolute industrial methylated spirit (methanol) forming a clear & colourless soln
Minimum assay (By GC)	99.7%
Wt.per ml at 20 °C	0.777 - 0.779 g
Boiling Range	Min. 95.0%
Refractive Index (n) _D ²⁰	1.426 - 1.427
MAXIMUM LIMIT OF IMPURITIES	
Water (H ₂ O)	0.03%
Non volatile matter	0.001%
Free acid (HCl)	0.001%
Maximum absorbance in a 1 cm cell at : 220 nm (UV CUT OFF)	1.0 0.1 0.01

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

DANGER HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Very toxic to aquatic life with long lasting effects. PRECAUTIONARY STATEMENTS : Prevention : Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Wash thoroughly after handling. Keep away from heat/sparks/open flame - No smoking. Wear protective gloves and eye/face protection. Keep container tightly closed. Response : If skin irritation occurs, seek medical advice/attention. Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse. 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. Specific treatment: refer to Label or MSDS. Disposal : 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.	IMDG Code : 3/II UN No. : 1145 IATA : 3
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Hazard pictogram(s) :





Skin irritation



Flammable liquids



**Hazardous to the
aquatic environment**

Prepared By : VINOD PATEL	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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