

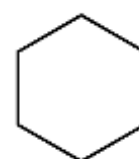


Product Specification

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CYCLOHEXANE (IN-HOUSE GC STANDARD)

PRODUCT CODE	R09440
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, colourless liquid not more than 10 Hazen units in colour.
Solubility	Miscible with alcohol & ether.
Identification (by IR)	Conforms to structure
Identification (by 1H NMR)	Conforms to structure
Identification (by GCMS)	Conforms to structure
Identification (by Mass)	Conforms to structure
Minimum assay (By GC)	99.8%
Wt. per ml at 20°C	0.777 - 0.779 g
Refractive Index (n) _D ²⁰	1.426-1.427
MAXIMUM LIMIT OF IMPURITIES	
Water (by KF)	0.05%
Residue on evaporation	0.0005%
Note(s) : Assay (if applicable) method mentioned.	
DANGER HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Causes skin irritation. Causes eye irritation. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure by inhalation. Toxic to aquatic life with long lasting effects. PRECAUTIONARY STATEMENTS : Prevention : Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Use only non-sparking tools. Ground/bond container and receiving equipment. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash thoroughly after handling. Obtain special instructions before use. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Response : 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. If eye irritation persists, get medical advice/attention. Get medical advice/attention if you feel unwell. If skin irritation occurs, seek medical advice/attention. If exposed or concerned: Get medical attention advice. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse.	
IMDG Code : 3/II UN No. : 1145 IATA : 3	
Disposal: -----	





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Hazard pictogram(s) :



GHS02



GHS07



GHS08



GHS09