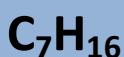




Product Specification

N-HEPTANE FOR HPLC & SPECTROSCOPY

PRODUCT CODE	743100
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	142-82-5
ATOMIC OR MOLECULAR FORMULA	C₇H₁₆
ATOMIC OR MOLECULAR WEIGHT	100.21
PROPERTIES	--



PARAMETER	LIMIT
Description	A clear liquid not more than 10 Hazen units in colour, with a characteristic odour.
Solubility	Immiscible with water, Miscible with absolute industrial methylated spirit (methanol) forming a clear and colourless solution.
Minimum assay (By GC)	99.0%
Wt. per ml at 20°C	0.683 - 0.684 g
Refractive Index (n) _D ²⁰	1.3880-1.3885
Boiling Range (97 - 99°C) (within 1 °C)	Min. 95.0%

MAXIMUM LIMIT OF IMPURITIES

Water	0.01%
Non volatile matter	0.001%
Free acid (CH ₃ COOH)	0.001%
Minimum UV Transmittance in a 1.0 cm cell at :	.
200 nm	20%
210 nm	50%
220 nm	80%
245 nm onwards	98%

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. Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS :

Prevention : Use only non-sparking tools. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Wash thoroughly after handling. Wash hands thoroughly after handling. Use explosionproof electrical/ventilating/lighting/equipment. Keep away from heat/sparks/open flame –No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.

Response : If eye irritation persists, get medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. 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 skin irritation occurs, seek medical advice/attention. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing.

IMDG Code : 3/II
UN No. : 1206
ATA : 3



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.

Hazard pictogram(s) :



Skin irritation



Flammable liquids



Hazardous to the aquatic environment