

n-HEXANE AR

PRODUCT CODE	542820
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	110-54-3
ATOMIC OR MOLECULAR FORMULA	$\text{CH}_3(\text{CH}_2)_4\text{CH}_3$
ATOMIC OR MOLECULAR WEIGHT	86.18
PROPERTIES	---



PARAMETER	LIMIT
Description	A clear liquid with a characteristic odour colour not more than 10 Hazen units.
Solubility	30% solution in methanol is clear and colourless.
Minimum Assay (GC)	99.0%
Bromine number	< 0.5
Refractive Index (n_D^{20})	1.375 - 1.376
Wt. per ml at 20°C	0.658 - 0.659 g
Boiling Range	67.7 - 69.2°C

MAXIMUM LIMIT OF IMPURITIES

Water	0.05%
Non volatile matter	0.001%
Acidity (CH_3COOH)	0.0005%
Sulphur compounds (CS_2)	0.005%
Aromatic hydrocarbons	0.01%
Iron (Fe)	0.00001%
Lead (Pb)	0.00001%
Substance darkened by sulphuric acid	Passes test.

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

HAZARD

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. : 1208
IATA : 3

Disposal: -----

Hazard pictogram(s) :



GHS02



GHS07



GHS08



GHS09

Replace date 19-Dec-2025