

## N-HEPTANE AR

PRODUCT CODE	542005
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	142-82-5
ATOMIC OR MOLECULAR FORMULA	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub>
ATOMIC OR MOLECULAR WEIGHT	100.21
PROPERTIES	--



PARAMETER	LIMIT
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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)	99.00%
Wt. per ml at 20°C	0.683 - 0.684 g
Refractive Index (n) <sup>20</sup> <sub>D</sub>	1.3880-1.3885
Miscibility with chloroform & diethyl ether	Complete.

### MAXIMUM LIMIT OF IMPURITIES

Bromine number	0.5
Water	0.02%
Acidity (CH <sub>3</sub> COOH)	0.0005%
Non volatile matter	0.001%
Sulphur Compound (CS <sub>2</sub> )	0.005%
Iron (Fe)	0.00005%
Lead (Pb)	0.00002%
Substances darkened by sulphuric acid	Passes test.

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

### DANGER

**Hazard statements:** May cause respiratory irritation. Flammable liquid and vapour. Harmful if inhaled. 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. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. 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.

**Response:** Specific treatment: refer to Label or MSDS. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction.

**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. Follow the instructions as per code no. 7, but transfer the waste to drum specifically designated for halogenated hydrocarbon solvents.

IMDG Code : 3 / II  
UN No. : 1208  
IATA : 3

**Hazard Pictogram (s) :-**



GHS02



GHS07



GHS09



GHS08

Replace Date – 20-Sep-2025