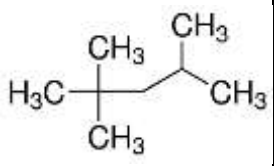


Product Specification

cdhfinechemical.com

ISO OCTANE FUEL GRADE FOR HPLC & UV SPECTROSCOPY

PRODUCT CODE	**747495**
SYNONYMS	**2,2,4-Trimethylpentane**
C.I. NO.	**N/A**
CASR NO.	**540-84-1**
ATOMIC OR MOLECULAR FORMULA	**$(CH_3)_3CCH_2CH(CH_3)_2$**
ATOMIC OR MOLECULAR WEIGHT	**114.23**
PROPERTIES	**--**



PARAMETER	LIMIT
Description	A clear liquid with a characteristic odour, not more than 10 Hazen units in colour.
Solubility	Miscible with methanol. 10% Solution in methanol is clear and colourless.
Minimum assay (By GC)	99.9%
Wt. per ml at 20°C	0.691 - 0.693 g
Refractive Index(n)20 D	1.391 - 1.392
Boiling range	98-99^{0}C
MAXIMUM LIMIT OF IMPURITIES	
Water	0.01%
Colour (APHA)	10
Non volatile matter	0.0005%
Impurities (incl. n-Heptane)	0.1% by volume
Heavy Metals (Pb)	0.00005%
Acidity (CH_3COOH)	0.0005%
Sulphur compounds(CS_2)	0.005%
Octane number	~100
%T (Transmission) in a 1cm cell v/s H_2O	
@200nm	≥25
@210nm	≥45
@220nm	≥75
@230nm	≥85
@240nm	≥95
@250 nm	≥98
@260-400nm (after purging with N2 for 15 min.)	≥99

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

DANGER

HAZARD STATEMENTS : May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness and dizziness. Highly flammable liquid and vapour. Causes skin irritation. Very toxic to aquatic life with
long lasting effects.

PRECAUTIONARY STATEMENTS :

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

Response : Wash/Decontaminate removed clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If skin irritation occurs, seek medical advice/attention. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction. Remove/Take off immediately all contaminated clothing.

IMDG Code : 3/II
UN No. : 1262
IATA : 3

Disposal: ----------

Hazard Pictogram(s) :



GHS02 GHS07 GHS08 GHS09