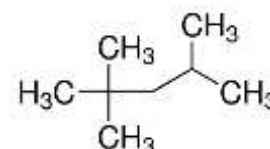


ISO-OCTANE AR/ACS

PRODUCT CODE	550555
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)	99.5%
Wt.per ml at 20°C	0.691 - 0.693 g
Refractive Index(n) ₂₀ D	1.391 - 1.392

MAXIMUM LIMIT OF IMPURITIES

Water	0.025%
Acidity (CH ₃ COOH)	0.0005%
Non volatile matter	0.002%
Sulphur compounds(CS ₂)	0.005%
Copper (Cu)	0.00002%
Iron (Fe)	0.00005%
Lead (Pb)	0.00002%
Bromine Number	0.5
Substances darkened by Sulphuric acid	Passes test.

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

HAZARD

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.

Disposal: -----

Hazard Pictogram(s) :



GHS02



GHS07



GHS08



GHS09

Replace date 04-OCT-2025