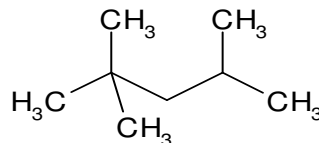




Product Specification

E Control	QC2\DATAD\D:\PS\25246XPS.xls
PRODUCT CODE	25246
PRODUCT NAME	2,2,4-TRIMETHYL PENTANE for HPLC & SPECTROSCOPY
SYNONYMS	iso octane for HPLC & Spectroscopy
C.I. NO.	N/A
CASR NO.	540-84-1
ATOMIC OR MOLECULAR FORMULA	(CH ₃) ₃ CCH ₂ CH(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 absolute industrial methylated spirit (methanol - 10%) forming a clear and colourless solution.
Minimum assay (By GC)	99.7%
Wt.per ml at at 20°C	0.690 - 0.691 g
Boiling Point	99.2°C
Refractive Index (n) _D ²⁰	1.3915
MAXIMUM LIMIT OF IMPURITIES	
Water	0.02%
Acidity (CH ₃ COOH)	0.0005%
Non volatile matter	0.0005%
Maximum Absorbance in a 1.0 cm cell at :	
210 nm (UV Cut Off)	1.0
235 nm	0.1
270 nm	0.01
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. Disposal : ---	IMDG Code : --- UN No. : --- IATA : ---
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Hazard pictogram(s) :



Prepared By : VINOD PATEL	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 02
Sign. :	Sign. :	Sign. :	Revision dt. : 23/08/2010

Date : 20/08/2010	Date : 20/08/2010	Date : 23/08/2010	AMEND NO. : P062
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