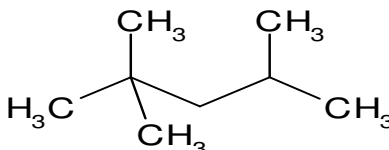


**SDFCL**
s d fine-CHEM LIMITED

Quality Control Dept.

Product Specification

E Control	QC2\DATAD\D:\PS\20874XPS.xls
PRODUCT CODE	20874
PRODUCT NAME	2,2,4-TRIMETHYL PENTANE DRY AR ($H_2O \leq 0.005\%$)
SYNONYMS	iso-octane
C.I. NO.	N/A
CASR NO.	540-84-1
ATOMIC OR MOLECULAR FORMULA	C_8H_{18}
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_D^{20})	1.391 – 1.392
MAXIMUM LIMIT OF IMPURITIES	
Water	0.005%
Acidity (CH_3COOH)	0.0005%
Non volatile matter	0.002%
Sulphur compounds (CS_2)	0.0003%
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.**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 : 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. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

Hazard pictogram(s):



Aspiration hazard



Skin irritation



Flammable liquids



Hazardous to the aquatic environment

Prepared By : VINOD PATEL	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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