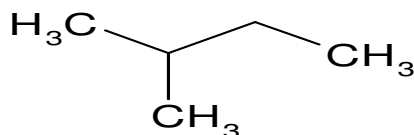




Product Specification

E Control	QC2\DATAD\DA\PS\20361XPS.xls
PRODUCT CODE	20361
PRODUCT NAME	ISO-PENTANE AR
SYNONYMS	2-methyl butane
C.I. NO.	N/A
CASR NO.	78-78-4
ATOMIC OR MOLECULAR FORMULA	C ₅ H ₁₂
ATOMIC OR MOLECULAR WEIGHT	72.15
PROPERTIES	



PARAMETER	LIMIT
Description	Clear and colourless liquid (colour <10 Hz) With characteristic odour.
Solubility	Miscible with alcohol forming clear colourless solution
Identity	By FTIR spetrum
Minimum assay (By GC)	99.5%
Wt per ml at 20 °C	0.618 - 0.621 g
Refractive Index (n) _D ²⁰	1.353 - 1.355
MAXIMUM LIMIT OF IMPURITIES	
Non volatile matter	0.002%
Bromine Number	0.5%
Water	0.02%
Acidity (C ₄ H ₉ COOH)	0.001%
Sulphur compounds (CS ₂)	0.0003%
Iron (Fe)	0.00002%
Lead (Pb)	0.00002%
Copper (Cu)	0.00002%
Substances darkned by H ₂ SO ₄	Passes test

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

DANGER HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Toxic to aquatic life with long lasting effects. PRECAUTIONARY STATEMENTS : Prevention : Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Ground/bond container and receiving equipment. Use only non-sparking tools. Wear protective gloves and eye/face protection. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Response : In case of fire, use foam for extinction. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. 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.	IMDG Code : 3/II UN No. : 1265 IATA : 3
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Hazard pictogram(s) :



Skin irritation



Flammable liquids



Hazardous to the aquatic environment

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 12/12/2002
Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 01
Sign. :	Sign. :	Sign. :	Revision dt. : 25/08/2010
Date : 23/08/2010	Date : 23/08/2010	Date : 25/08/2010	AMEND NO. : P062