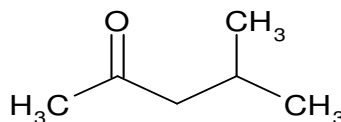




Product Specification

E Control	QC2\DATAD\DA\PS\37528XPS.xls
PRODUCT CODE	37528
PRODUCT NAME	4-METHYLPENTAN-2-ONE LR (for synthesis)
SYNONYMS	iso butyl methyl ketone
C.I. NO.	N/A
CASR NO.	108-10-1
ATOMIC OR MOLECULAR FORMULA	(CH ₃) ₂ CHCH ₂ COCH ₃
ATOMIC OR MOLECULAR WEIGHT	100.16
PROPERTIES	



PARAMETER	LIMIT
Description	A clear liquid, colour not more than 10 Hazen units.
Solubility	Soluble in water 2%. Miscible with ethanol, benzene and diethyl ether.
Minimum assay(By GC)	99.0%
Wt.per ml at 20 °C	0.799 - 0.802 g
Boiling Range (114 - 117 °C)	Min. 95.0%
Refractive index (n) _D ²⁰	1.3946 - 1.3965
Free acid	0.2 ml N%

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

DANGER HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Harmful if inhaled. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. PRECAUTIONARY STATEMENTS : Prevention : Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Use only non-sparking tools. Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wear protective gloves and eye/face protection. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. Response : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs, seek medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS. Disposal : ---	IMDG Code : --- UN No. : --- IATA : ---
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Hazard pictogram(s) :



Skin irritation



Flammable liquids

Prepared By : DINESH	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. : 01
Sign. :	Sign. :	Sign. :	Revision dt. : 16/08/2010
Date : 14/08/2010	Date : 14/08/2010	Date : 16/08/2010	AMEND NO. : P062