



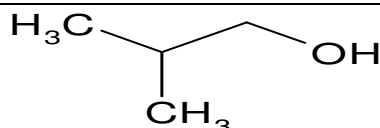
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Quality Control Dept.

Product Specification



E Control	QC2\DATAD\D:\PS\25341XPS.xls
PRODUCT CODE	25341
PRODUCT NAME	2-METHYLPROPAN-1-OL FOR HPLC
SYNONYMS	iso-Butanol
C.I. NO.	N/A
CASR NO.	78-83-1
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₁₀ O
ATOMIC OR MOLECULAR WEIGHT	74.12
PROPERTIES	



PARAMETER	LIMIT
Description	Clear colourless liquid, with a characteristic odour, not more than 10 Hazen unit in colour
Solubility	5% solution in waer is clear & colourless
Minimum assay (By GC)	99.5%
Wt. per ml at 20°C	0.801-0.802 g
Refractive index (n) _D ²⁰	1.395 - 1.396
Boiling range(106-109°C)	Min 95%
MAXIMUM LIMITS OF IMPURITIES	
Water	0.05%
Non volatile matter	0.0005%
Maximum Absorbance in a 1.0 cm cell at :	
220 nm	1.0
230 nm	0.50
245 nm	0.10
250 nm	0.05
330- nm	0.01

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

DANGER

HAZARD STATEMENTS : May cause respiratory irritation. Flammable liquid and vapour. Harmful if inhaled. May be harmful if swallowed. Causes skin irritation. Causes serious eye damage.

PRECAUTIONARY STATEMENTS :

Prevention : Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Keep away from heat/sparks/open flame - No smoking. Use only outdoors or in a well ventilated area. Wear protective gloves and eye/face protection. Keep container tightly closed.

Response : Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Wear eye/face protection. If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction. Wash/Decontaminate removed clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Remove/Take off immediately all contaminated clothing.

IMDG Code : 3/III
UN No. : 1212
IATA : 3

Disposal : Dissolve the chemical in dilute acid and neutralize the excess acid with sodium carbonate and run to the normal waste with large amounts of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste. Alternatively the neutralized solution can be put in a container and disposed off.

Hazard pictogram(s) :



Flammable liquids Corrosive to metals

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 31/03/2009
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