

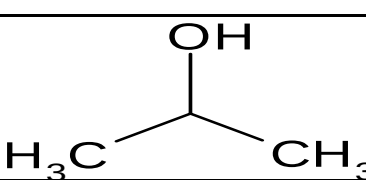


SDFCL
s d fine-CHEM LIMITED



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\ID\PS\20224XPS.xls
PRODUCT CODE	20224
PRODUCT NAME	PROPAN-2-OL AR, ACS Meets analytical specification of IP, BP, USP, PhEur (NOT FOR DIRECT MEDICINAL USE)
SYNONYMS	iso-propyl alcohol
C.I. NO.	N/A
CASR NO.	67-63-0
ATOMIC OR MOLECULAR FORMULA	C ₃ H ₈ O
ATOMIC OR MOLECULAR WEIGHT	60.10
PROPERTIES	
	
PARAMETER	
Description	A clear liquid, not more than 10 APHA units in colour.
Solubility	Dilute 1 ml to 20 ml with water after 5 minutes, solution is clear.
Identification	Passes tests
Identification (By FTIR)	Conforms
Minimum assay (By GC)	99.5%
Wt.per ml at 20°C	0.784 - 0.786 g
Boiling Range (81.0 - 83.0°C)	Min. 95.0%
Refractive Index (n) _D ²⁰	1.377 - 1.378
UV absorbance(1.0cm) max at:-	
230	0.3
250	0.1
270	0.03
290	0.02
310	0.01
MAXIMUM LIMIT OF IMPURITIES	
Water	0.1%
Acidity or Alkalinity (as acetic acid wt/vol%)	0.0006%
Non volatile matter	0.001%
Aldehyde & Ketones (CH ₃) ₂ CO	0.002%

Copper (Cu)	0.0002%
Iron (Fe)	0.0002%
Lead (Pb)	2 ppm
Benzene content (C ₆ H ₆) (By GCHS)	2 ppm w/v
Related substances	Passes test
Residual solvents	Meets the requirements(USP)
Peroxides	Passes test
Subs. reducing permanaganate	0.0005%

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. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.

PRECAUTIONARY STATEMENTS :

Prevention : Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands 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. Keep container tightly closed. Wear protective gloves and eye/face protection.

Response : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If eye irritation persists, get medical advice/attention. Wear eye/face protection. 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 on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use alcohol-type foam for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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. : 1219
IATA : 3

Hazard pictogram(s) :



Prepared By : Asmita Thakkar Name/Dept. : Sr.Officer (Q.A.) Sign. : Date : 01/05/2014	Checked By: K.B.Desai Name/Dept. :Incharge(Q.A.) Sign. : Date : 01/05/2014	Approved By: S.S.TOLIA Name/Dept. : Incharge (Tech.) Sign. : Date : 08/05/2014	Issue Date : 01/07/2002 Revision No. : 04 Revision dt. : 08/05/2014 AMEND NO. : P122
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