



SDFCL
s d fine-CHEM limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\DA\PS\20061XPS.xls
PRODUCT CODE	20061
PRODUCT NAME	BUTAN-1-OL AR (For synthesis)
SYNONYMS	n-butyl alcohol
C.I. NO.	N/A
CASR NO.	71- 36- 3
ATOMIC OR MOLECULAR FORMULA	(CH ₃)(CH ₂) ₃ OH
ATOMIC OR MOLECULAR WEIGHT	74.12
PROPERTIES	



PARAMETER	LIMIT
Description	A clear liquid, not more than 10 Hazen units in colour, with a characteristic odour.
Solubility	4% Solution in water is clear and colourless, miscible with MeOH forming clear and colourless solution.
Minimum assay (GC)	99.5%
Wt.per ml at 20 °C	0.808 - 0.810 g
Boiling Range (116 °-118 °C)	95.0%
Refractive Index (n) _D ²⁰	1.399 - 1.400

MAXIMUM LIMIT OF IMPURITIES

Water insoluble matter	Passes test.
Water	0.1%
Acidity (CH ₃ COOH)	0.003%
Non volatile matter	0.003%
Aldehydes & Ketones (C ₃ H ₇ CHO)	0.015%
Copper (Cu)	0.0001%
Iron (Fe)	0.0002%
Lead (Pb)	0.0001%

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

DANGER

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

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. Wash 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. Immediately call a POISON CENTER or doctor/physician. Wear eye/face protection. 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. If eye irritation persists, get medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. Specific treatment: refer to Label or MSDS. In case of fire, use alcohol-type foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If skin irritation occurs, seek medical advice/attention. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing Call a POISON CENTER or doctor/physician if you feel unwell.

IMDG Code :-----
UN No. :-----
IATA :-----

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) :



Flammable liquids

Corrosive to metals

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