

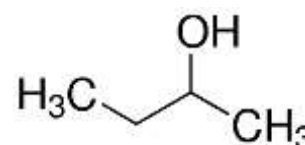


Product Specification

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2-BUTANOL FOR SYNTHESIS

PRODUCT CODE	027507
SYNONYMS	2-butanol, Sec-butyl Alcohol
C.I. NO.	N/A
CASR NO.	78-92-2
ATOMIC OR MOLECULAR FORMULA	CH₃CH₂CHOHCH₃
ATOMIC OR MOLECULAR WEIGHT	74.12
PROPERTIES	---



PARAMETER	LIMIT
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Description	A clear liquid, not more than 10 Hazen units in colour, with a characteristic odour.
Solubility	Miscible with alcohol forming clear & colourless solution. (Soluble 12 parts of water).
Minimum assay (GC)	99%
Wt. per ml at 20°C	0.805 - 0.807 g
Boiling Range	98 - 100°C

MAXIMUM LIMIT OF IMPURITIES

Water	0.5%
Acidity	0.5 ml N%
Non-volatile matter	0.005%

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

WARNING

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

PRECAUTIONARY STATEMENTS :

Prevention : Ground/bond container and receiving equipment. Use only nonsparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well

ventilated area. Wash hands thoroughly after handling. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Wear protective gloves and eye/face protection. Use explosion-proof electrical/ventilating/lighting/equipment.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. 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. 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. Call a POISON CENTER or doctor/physician if you feel unwell. 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/III
UN No. : 1120
IATA : 3



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Hazard Pictogram(s) :



GHS02



GHS07

Replace Date 06 –Oct 2020