

IPA

Technical Data Sheet

Isopropyl Alcohol (CAS#: 67-63-0)

Physical properties:

Molecular Formula:	C ₃ H ₈ O
Structural Formula:	(CH) ₂ CHOH
Molecular Wt.: 60.101	Melting Point °C: -88.5
Liquid Density (g/ml) at 20°C: 0.785	Boiling Point °C: 80.3
Colour(Hazen), platinum-cobalt scale Max:10	Flash Point °C: 12

Specifications:

Isopropyl Alcohol,	Min by wt. 99.8 % GC
Sulfide(as Sulphur)	Max by 2.0 (mg/kg)
Water,	Max by wt. 0.05% KFMethod
Carbonyl(as Acetone)	Max by wt. 0.02%
Acidity(as Acetic Acid).	Max by wt. 0.002%
Nonvolatile Residue	Max by wt. 0.002%

Application Areas:

Used to produce drugs, cosmetics, plastics, flavor, Paints, as dehydrant and cleaner in electronics industry, as extractant and cheap solvent, as an intermediate used in paint and printing oil, etc.

Handling and Storage:

Usage Precautions: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Risk of vapor concentration on the floor and in low lying areas. Static electricity and formation of sparks must be prevented.

Storage Precautions: Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers.

Storage Criteria: Flammable liquid storage.

Packaging:

160 kg net wt. in iron drums/ISO Tank.

IMDG Class: Class 3

Packing Group as per IMO: II

UN NO: 1219