

Isopropyl Alcohol

CAS 67-63-0 · C₃H₈O · 99.9% IPA

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1. Product identity

Product name	Isopropyl Alcohol
Synonyms	IPA solvent, isopropanol, 2-propanol, IPA 99.9
C.A.S. number	67-63-0 (EC 200-661-7)
Molecular formula	C ₃ H ₈ O (CH ₃ CHOHCH ₃)
Molecular weight	60.10 g/mol (given as 60.1 on the ILO ICSC card)
Grade supplied against	99.9% IPA
Appearance	Clear, colourless, mobile liquid with a characteristic alcoholic odour
Product group	Solvents & Organic Chemicals
HSN code	2905 12 20
Country of origin	As stated on the producer's documents for the lot supplied; confirmed at offer stage
Packing	ISO tank · 160 kg drum
Storage	Fireproof store: cool, well ventilated, away from heat, sparks, open flame and all ignition sources; no smoking. Keep containers tightly closed and electrically earthed and bonded during transfer, and use non-sparking tools. Segregate from strong oxidants. Nitrogen blanketing is normal for bulk tanks. Flammable-liquid storage licence/bund requirements apply.

2. Analytical specification

S. No.	Test parameter	Specification	Method
1	Description	Clear, colourless, mobile liquid with a characteristic alcoholic odour	Visual
2	Identification	Conforms to the substance supplied	Instrumental or chemical test, per method agreed
3	Assay / grade	99.9% IPA	Titrimetry or instrumental, per method agreed
4	Physical state	Liquid	Visual
5	Solubility in water	Miscible with water in all proportions	Per the test method agreed
6	pH	Not available. Isopropyl alcohol is a non-electrolyte and authoritative sources report no pH; supplier SDS state 'no data available'. Some Indian trade datasheets quote about 6.5-7.5 on a 10% aqueous solution, but that could not be confirmed from an authoritative source - print 'not applicable' rather than a number.	Potentiometry

S. No.	Test parameter	Specification	Method
7	Relative density	0.785 g/mL at 20 degC (supplier SDS for 99.9% grade); relative density 0.79 (ILO ICSC 0554)	Densitometry / hydrometry
8	Melting / freezing point	-90 degC (ILO ICSC 0554); -89.5 degC (supplier SDS for 99.9% grade)	Capillary / thermal
9	Boiling point	83 degC (ILO ICSC 0554); 82 degC (supplier SDS for 99.9% grade)	Distillation range
10	Flash point	12 degC closed cup (11.7 degC per ILO ICSC 0554) - highly flammable at Indian ambient temperature. Autoignition 425 degC (supplier SDS) to 456 degC (ICSC); explosive limits about 2-12.7 vol% in air; vapour is heavier than air (relative vapour density 2.1) and travels along the floor to an ignition source.	Closed cup
11	Additional parameters	To the specification agreed before order	As agreed

3. Transport classification

UN 1219 · Class 3 (Flammable liquids), classification code F1 · Packing group II

Proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

What this document is. This is a product specification sheet. It states the grade this material is supplied against, its packing and its identity. **It is not a certificate of analysis, it carries no test results, and it certifies no batch.** Tested values for the consignment actually loaded appear on the batch certificate of analysis issued against that batch, which travels with the despatch documents. Identity and physical data are drawn from PubChem, the ECHA CLP inventory and ILO safety cards; the producer's documents for the grade quoted govern. Velora Chemicals Private Limited is a bulk supplier and trader, not a manufacturer.