



Product Specification

Product Name: PROPAN-2-OL LR

Alternate Name(s) ISOPROPANOL (ISOPROPYL ALCOHOL)

Description

Clear, colourless liquid with a characteristic odour.

Properties

Chemical Formula: C₃H₇OH

Molecular Weight: 60.1

Product Code: PL013

CAS No. 67-63-0

General Information:

Miscible with water. Soluble in alcohol and ether. Incompatible with strong oxidising agents. Flammable; keep away from heat, sparks and naked flames.

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

| | |
|------------------------------------|------------------------------|
| Odour Threshold | 40 - 200 ppm |
| Melting Point | -89 °C |
| Vapour Pressure | 44 hPa (20 °C) |
| Specific Gravity | 0.78 |
| Flamm. Limit LEL | 2 Vol% |
| Flamm. Limit UEL | 12 Vol% |
| Autoignition Temp. | 425 °C |
| Flash Point | 12 °C (CC) |
| Vapour Density | 2.07 (air = 1) |
| Viscosity | 2.1 cP (25 °C) |
| Saturation Concentration | 105 g/m ³ (20 °C) |
| Dielectric Constant | 1.83 (25 °C) |
| Dipole Moment | 1.66 Debye (20 °C) |
| Evaporation Rate | 2.3 |
| Boiling Range (95% min.) | 81 - 83 °C |
| Non-volatile matter | ≤ 0.01% |
| Water | ≤ 0.2% |
| Acidity (by weight as acetic acid) | ≤ 0.002% |

Hazard and Safety Data

| | |
|-----------------------------------|---------------|
| UN Group: | II |
| Class: | 3 |
| UN Number: | 1219 |
| Hazchem code: | 2[Y]E |
| CS MSDS Code: | 1CH5R |
| Poison schedule: | Not Scheduled |
| Emergency Procedure Guide No.: | 16 |

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