



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

ISO PROPYL ALCOHOL

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: iso-PROPYL ALCOHOL

Product code: 32670,32672,42016

Identification of the product: Propan-2-ol

CAS No: 67-63-0

EC No: 200-661-7

Index No: 603-117-00-0

Chemical formula: C₃H₈O

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use: Industrial. For professional use only

1.3. Details of the supplier of the safety data sheet

Company identification: Techno Pharmchem

Contact: +91 11 23646422 / info@technopharmchem.com

1.4. Emergency telephone number

Phone: + 91 11 23646422 (9:30am - 5:30 pm) [Office hours]

2. Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : F; R11
R67
Xi; R36

2.2. Label elements

Labelling Regulation EC 1272/2008 (CLP)

Hazard statements: H225: Flammable
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precautionary statements

General: P102: Keep out of reach of children.
P103: Read label before use.
P101: If medical advice is needed, have product container or label at hand.

Prevention: P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating, lighting, equipment.

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



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Response:

P210: Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
P233: Keep container tightly closed.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370+P378: In case of fire: Use for extinction.
P403+P233: Store in well-ventilated place. Keep container tightly closed.
P403+P235: Store in well-ventilated place. Keep cool.
P405: Store locked up.
: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Storage:

Disposal considerations

Contains: Propan-2-ol

2.3. Other hazards

Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation : Propan-2-ol
CAS No : 67-63-0
EC No : 200-661-7
Index No : 603-117-00-0
Substance.

Substance name	Contents	CAS No	EC No	Index No.
Propan-2-ol	100 %	67-63-0	200-661-7	603-117-00-0

Contains no other components or impurities which will influence the classification of the product



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4. First aid measures

4.1. Description of first aid measures

Inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.
Skin contact	: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
Ingestion	: Obtain emergency medical attention. Rinse mouth. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use	: Causes serious eye irritation. May cause drowsiness or dizziness.
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4.3. Indication of any immediate medical attention and special treatment needed

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Flammable class	: Flammable liquid and vapor
Hazardous combustion products	: Under fire conditions, hazardous fumes will be present.

5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid fire-fighting water to enter environment.



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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For emergency responders : Equip cleanup crew with proper protection.
Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.
- Technical measures : Use special care to avoid static electric charges.
- Special precautions : Remove ignition sources. No naked lights. No smoking.
- For non-emergency personnel : Evacuate unnecessary personnel.

6.2. Environmental precautions

- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

6.4. Reference to other sections

- See section 8. : Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

- Handling : Handle empty containers with care because residual vapors are flammable. Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
- Technical protective measures : Provide good ventilation in process area to prevent formation
of vapour. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, equipment.
- Special precautions : No naked lights. No smoking.
Avoid breathing dust, fume, gas, mist, vapours, spray.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Ground/bond container and receiving equipment. Keep container tightly closed.
- Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

- Specific end use(s) : None.



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8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection	: Avoid all unnecessary exposure.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Others	: When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits	: No data available.
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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Form	: liquid
Colour	: colourless
Odour	: alcohol-like
Odour Threshold	: No data available
pH	: No data available
Melting point	: -89.5 °C
Flash point	: 12.0 °C - closed cup
Evaporation rate	: 2.83
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosion limit	: Upper explosion limit : 12.7 %(V) : Lower explosion limit: 2 %(V)
Vapour pressure	: 43.2hPa at 20.0°C
Vapour density	: No data available
Relative density	: 0.785 – 0.790 g/mL at 20 °C
Water solubility	: completely soluble
Log pow octanol/water at 20°C	: No data available
Auto-ignition temperature	: 399.0 °C
Decomposition temperature	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

10. Stability and reactivity

10.1. Reactivity

Reactivity	: Not established.
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10.2. Chemical stability

Chemical stability	: Stable under recommended storage conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Heat & Flames

10.5. Incompatible materials

Materials to avoid : Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Inhalation : Based on available data, the classification criteria are not met.

Dermal : Based on available data, the classification criteria are not met.

Ingestion : Based on available data, the classification criteria are not met.

Corrosion : Based on available data, the classification criteria are not met.

Irritation : Causes serious eye irritation.

Sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.



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13. Disposal considerations

13.1. Waste treatment methods

General

: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

14. Transport information

14.1 UN number

ADR/RID: 1219

IMDG: 1219

IATA: 1219

14.2 UN proper shipping name

ADR/RID: ISOPROPANOL

IMDG: ISOPROPANOL

IATA: ISOPROPANOL

14.3 Transport hazard class(es)

ADR/RID: 3

IMDG: 3

IATA : 3

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA : II

14.5 Environmental hazards

ADR/RID: no

IMDG (MARINE POLLUTANT) : no

IATA : no

14.6 Special precautions for user

No data available

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture

: Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

Chemical Safety Assessment

: It has not been carried out.

16. Other information

Product Use

: Laboratory Reagent for Educational & Research

Purposes