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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

n – PROPYL ALCOHOL MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form : Substance
CAS No : 71-23-8
EC No : 200-746-9
Product code : 39063, 39064
Synonyms : Propan-1-ol; 1-Propanol

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

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only :
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
T +91 11 23646422
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Flammable liquids, H225

Category 2

Serious eye damage H318

/eye damage irritation,

Category 1

Specific target organ H336

toxicity – single

exposure, category 3,

Narcosis

Full text of hazard classes and H- statement: see section 16



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Classification according to directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11

X; R41

R67

Full text of R-phrases: see section16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazard statements (CLP)	:	H225 – Flammable liquid and vapor. H318 – Causes serious eye damage. H336 – May cause drowsiness or dizziness.
Precautionary statements (CLP)	:	P210 – keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 – Avoid breathing vapors, dust, fume, gas. P280 – Wear protective gloves, protective clothing, face protection, eye protection. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	:	n-Propyl Alcohol
CAS No.	:	71-23-8
EC-No.	:	200-746-9

Full text of R- and H- statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing. Call a doctor if feel unwell.
First-aid measures after skin contact	:	Get immediate medical advice/attention. Wash with plenty of water/....

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- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get medical advice/attention.

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

- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after eye contact : Cause serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. water spray
- Unsuitable extinguishing media : Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor.
- Explosion hazard : Do not use extinguishing media containing water.

5.3. Advice for firefighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : on land, sweep or shovel into suitable containers. Collect spillage.

6.4. Reference to other sections

No additional information available



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SECTION 7: HANDLING AND STORAGE

7.1. Precaution for safe handling

Additional hazards when processed	:	Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	:	Avoid contact with skin and eyes. Use only non – sparking tools. Keep away from sources of ignition – No smoking. Use only outdoors or in a well – ventilated area. Do not breathe vapors.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work

7.2. Conditions for safe storage, including any compatibilities

Technical measures	:	Proper grounding procedures to avoid static electricity should be followed. ground/bond container and receiving equipment.
Storage conditions	:	Keep in fireproof place. Keep container tightly closed.
Incompatible materials	:	Heat sources.

7.3. Specific end use (s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Clear colorless
Odor	:	alcoholic odor
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	1.3

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Melting Point	:	-127°C
Freezing point	:	No data available
Boiling point	:	97°C
Flash point	:	15°C
Auto-ignition temperature	:	412°C
Decomposition temperature	:	No data available
Flammability (Solid, gas)	:	Flammable
Vapour pressure	:	33 mm Hg at 20°C
Relative vapour density at 20°C	:	2.1
Relative density	:	No data available
Density	:	0.803 - 0.806 g/cm ³
Solubility	:	Water: Infinity soluble
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	2.27 mPas at 20°C
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Open flame. Heat. Sparks

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

May release flammable gases



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified.
Serious eye damage/irritation	:	Causes serious eye damage.
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	May cause drowsiness or dizziness.
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/packaging disposal recommendations	:	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR/RID: 1274

IMDG: 1274

IATA: 1274

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14.2. UN proper shipping name

ADR/RID : n-PROPANOL
IMDG : n-PROPANOL
IATA : n-PROPANOL

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

SECTION 15: REGULATORY INFORMATION

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

Ensure all local, regional, national and/or international regulations are observed.

15.2 Chemical safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION

Full text of H-statements referred to under sections 2 and 3.

Eye Dam Serious eye damage
Flam. Liq Flammable liquids
H225 Highly flammable liquid and vapor
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
STOT SE Specific target organ toxicity – single exposure

Full text of R – phrases referred to under sections 2 and 3

F Highly flammable
Xi Irritant
R11 Highly flammable
R41 Risk of serious damage to eyes.
R67 Vapors may cause drowsiness and dizziness.

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