

	MATERIAL SAFETY DATA SHEET	MSDS No.	B-02
	ISOPROPYL ALCOHOL (IPA) According to Regulation (EC) No 1907/2006	Effective From	16.03.2025

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

1.1 Product identifier:

Identification on the label/Trade name: propan-2-ol
 Additional identification: Isopropanol
 Identification of the product: CAS#67-63-0 EC#200-661-7
 Index Number: 603-117-00-0
 REACH registration No.: 01-2119457558-25-XXXX

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer): Bloomchemag BV
 Address: Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium
 Contact person(E-mail): info@bloomchemag.com
 Telephone: +91 72919 74050/ 72919 74484/ 98713 71594

1.4 Emergency telephone Number:

035318899951 (Only available during office hours (8:30a.m.-17:30p.m.)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categorie	Hazard statement
Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:**Signal Word(S):**

Danger

Hazard Statement:

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Precautionary statement:

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P370 + P378: In case of fire: Use Water spray, alcohol-resistant foam, carbon dioxide (CO₂), dry powder for extinction.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container in according with local regulation.

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients**Substance/Mixture:**

Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
propan-2-ol	01-2119457558-25-0150	67-63-0	200-661-7	99.9%
water	-	7732-18-5	231-791-2	0.1%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air.

4.1.2 In case of skin contact:

Wash off with plenty of water.

4.1.3 In case of eyes contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.4 In case of ingestion:

Drink plenty of water. Do NOT induce vomiting. Obtain medical attention.

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

Causes serious eye irritation. May cause drowsiness or dizziness.

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

Not available.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water spray, alcohol-resistant foam, carbon dioxide (CO₂), dry powder.

Unsuitable extinguishing media:

High volume water.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. In case of fire, the following can be released:
Carbon oxides.

5.3 Special fire fighting methods and special protective actions for fire-fighters:

Firefighters must wear fire resistant protective equipment. Wear approved respirator and protective gloves. Use water spray to cool unopened containers.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Ensure adequate ventilation. Keep away from sources of ignition - No smoking.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if vapours is generated.

6.2 Environmental Precautions:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

6.3 Methods for Containment and Cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

6.5 Additional information:

Not applicable.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Ensure adequate ventilation. Vapours are heavier than air and may spread along floors. Keep away from sources of ignition - No smoking. Vapours may form

explosive mixtures with air. Do not allow to enter drains (danger of explosion). Take precautionary measures against static discharges.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Substance	EINECS No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
			ppm	mg/ m3	ppm	mg/ m3	Notes
Isopropyl alcohol	200-661-7	67-63-0	200	-	400	-	Sk

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Tightly fitting safety goggles.

Hand protection: Gloves suitable for permanent contact: Material: Nitrile rubber/nitrile latex, butyl-rubber. Break through time: >= 480 min; Material thickness: 0.35 mm.
Gloves suitable for splash protection: Material: Polychloroprene. Break through time: >= 240 min; Material thickness: 0.5 mm.

Body protection: Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Colorless
Odour:	Not available
Odour threshold:	Not available
pH:	Not available

Melting point/range (°C):	-88.5
Boiling point/range (°C):	80.3
Flash point (°C):	12
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	399
Upper/lower flammability/explosive limits:	12.7/2.0
Vapour pressure (20°C):	4.40kPa
Vapour density:	2.07
Relative Density:	0.79
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Soluble in water
n-Octanol/Water (log Po/w):	<0.28
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	C ₃ H ₈ O
Molecular Weight:	60.10

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Soluble in alcohol, ether, benzene, chloroform and most organic solvents.
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	Vapours may form explosive mixture with air.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:	
Non-human toxicological data:	Not available
11.2 Information on toxicological effects:	
Acute toxicity:	

LD50(Oral, Rat):	5.84 g/kg
LD50(Dermal, Rabbit):	16.4 mL/kg bw
LC50(Inhalation, Rat):	> 10000 ppm 6h
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
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

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	10000 mg/L	96h	Fish	OECD 203	N/A	N/A
LC50	> 10000 mg/L	24h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Readily biodegradable.
Bioaccumulative potential:	Not available.
Mobility in soil:	Soluble in water.
Results of PBT&vPvB assessment:	The substance is not PBT / vPvB.
Other adverse effects:	Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:	Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).
13.2 Product / Packaging disposal:	According to local regulations. Emptied container might retain product residues. Follow all warnings even after the container is emptied.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	1219	1219	1219
UN Proper shipping name	ISOPROPYL ALCOHOL	ISOPROPYL ALCOHOL	ISOPROPYL ALCOHOL
Transport hazard Class	3	3	3
Packaging group	II	II	II
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC02	IBC02	IBC02
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Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

Chemical Safety Assessment has been carried out? YES NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by EU No 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.