

# SAFETY DATA SHEET


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## PROPAGYL ALCOHOL

### SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

<b>1.1 Product identifier:</b>	
<b>CAS Number:</b>	107-19-7
<b>EC number:</b>	203-471-2
<b>1.2 SYNONYMS</b>	<ul style="list-style-type: none"><li>• Propylene glycol</li><li>• 1,2-Propanediol</li><li>• Methyl ethyl glycol</li><li>• PG (abbreviation)</li></ul>

### SECTION 2: Hazards identification:

<b>2.1 Classification of the substance or mixture:</b>	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
<b>2.2 Label elements:</b>	Labelling according to Regulation (EC) No 1272/2008
<b>Hazard statement:</b>	<b>H226:</b> Flammable liquid and vapour
	<b>H301:</b> Toxic if swallowed
	<b>H311:</b> Toxic in contact with skin
	<b>H331:</b> Toxic if inhaled
	<b>H314:</b> Causes severe skin burns and eye damage
	<b>H411:</b> Toxic to aquatic life with long lasting effects
<b>Hazard pictograms:</b>	
<b>Precautions:</b>	<b>P210:</b> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. <b>P233:</b> Keep container tightly closed. <b>P240:</b> Ground and bond container and receiving equipment. <b>P241:</b> Use explosion-proof [electrical/ventilating/lighting] equipment.

**P242:** Use non-sparking tools.  
**P243:** Take action to prevent static discharges.  
**P260:** Do not breathe dust/fume/gas/mist/vapours/spray  
**P264:** Wash hands thoroughly after handling  
**P270:** Do not eat, drink or smoke when using this product.  
**P271:** Use only outdoors or in a well-ventilated area  
**P273:** Avoid release to the environment.  
**P280:** Wear protective gloves/protective clothing/eye protection/face protection  
**P301 + P310:** IF SWALLOWED: Immediately call a POISON CENTER/doctor  
**P321:** Specific treatment .  
**P301 + P330 + P331:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.  
**P302 + P352:** If on skin: Wash with plenty of water.  
**P303 + P361 + P353:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
**P304 + P340:** IF INHALED: Remove person to fresh air and keep 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  
**P310:** Immediately call a POISON CENTER/doctor.  
**P311:** Call a POISON CENTER/doctor.  
**P330:** Rinse mouth.  
**P363:** Wash contaminated clothing before reuse.

	<p><b>P361 + P364:</b> Take off immediately all contaminated clothing and wash it before reuse.</p> <p><b>P370 + P378:</b> In case of fire: Use water spray, dry powder, foam, carbon dioxide to extinguish.</p> <p><b>P391:</b> Collect spillage</p> <p><b>P403 + P233:</b> Store in a well-ventilated place. keep container tightly closed.</p> <p><b>P403 + P235:</b> Store in a well-ventilated place. Keep cool.</p> <p><b>P405:</b> Store locked up.</p> <p><b>P501:</b> Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
<b>2.3 Other hazards:</b>	PBT/ vPvB: not applicable
	Not identified as having endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

<b>3.1 Chemical characterisation:</b>	Substances
<b>CAS No:</b>	Description: 107-19-7 PROPAGYL ALCOHOL
<b>Identification number(s):</b>	EC number: 203-471-2

### SECTION 4: First aid measures

<b>4.1 Description of first aid measures</b>	
<b>General information:</b>	
<b>After inhalation:</b>	Inhale corticosteroid dose aerosol. Remove to fresh air. Seek medical attention.
<b>After Ingestion</b>	Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. .
<b>After skin contact:</b>	Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist

<b>After eye contact:</b>	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye Specialist.
<b>After swallowing:</b>	If symptoms persist consult doctor.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes severe skin burns and eye damage.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	If skin irritation or rash occurs, get medical advice/attention

## SECTION 5: Firefighting measures

<b>5.1 Extinguishing media</b>	Use water spray, foam, dry chemical, or carbon dioxide (CO <sub>2</sub> ) to extinguish fires involving sodium gluconate.
<b>5.2 Special hazards arising from the substance or mixture</b>	May decompose at high temperatures, releasing harmful gases or vapors.
<b>5.3 Advice for firefighters</b>	Wear self-contained breathing apparatus (SCBA) and full protective gear to avoid exposure to any smoke or fumes.

## SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Wear self-contained breathing apparatus (SCBA) and full protective gear to avoid exposure to any smoke or fumes.
<b>6.2 Environmental precautions:</b>	Avoid release to the environment. Prevent spills from entering waterways, drains, or soil. Inform the same to authorities.
<b>6.3 Methods and material for containment and cleaning up:</b>	Use absorbent materials such as sand, clay, or commercially available absorbent pads.

## SECTION 7: Handling and storage

<b>7.1 Precautions for safe handling</b>	Wear suitable gloves, eye protection, and protective clothing to prevent skin and eye contact.
<b>Information about fire - and explosion protection:</b>	requires using it in well-ventilated areas, avoiding open flames, and storing it away from oxidizers to prevent ignition and minimize explosion risks.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Segregate from alkalis and alkalizing substances. Segregate from strong acids. Segregate from heavy-metal salts. Segregate from strong oxidizing agents.
<b>Requirements to be met by storerooms and receptacles:</b>	compatible materials, properly labeled, equipped with adequate ventilation, and designed to contain spills, ensuring safe and compliant storage conditions.
<b>Information about storage in one common storage facility:</b>	kept separate from incompatible substances, such as strong oxidizers and acids,
<b>7.3 Specific end use(s):</b>	Not applicable

## SECTION 8: Exposure controls/personal protection

<b>8.1 Control parameters</b>	
<b>Additional information about design of technical facilities:</b>	The facility should be a cool and well-ventilated place.
<b>8.2 Exposure controls</b>	
<b>Personal protective equipment:</b>	Set up stations equipped with PPE (gloves, goggles, masks) near handling areas to ensure workers can quickly access necessary protective gear.
<b>General protective and hygienic measures:</b>	Wash hands thoroughly after handling propagyl alcohol.
	Respiratory protection: required
<b>Protection of hands:</b>	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

<b>Penetration time of glove material:</b>	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
	Eye protection: Not required

## SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b>	
<b>General Information</b>	
<b>Appearance: Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Mild, geranium odor
<b>pH-value:</b>	6-8
<b>Melting point/Melting range:</b>	-52°C to -48°C
<b>Boiling point/Boiling range:</b>	113.55°C
<b>Flammability (solid, gaseous):</b>	Not applicable
<b>Ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Flash point:</b>	High(100 °C)
<b>Self-igniting:</b>	Not applicable
<b>Danger of explosion:</b>	Low
<b>Explosion limits: Lower:</b>	Not available
<b>Vapour pressure:</b>	10.84 hPa
<b>Density at 20 °C:</b>	1.036 g/cm <sup>3</sup>
<b>Relative density:</b>	0.948
<b>Vapour density:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Solubility in / Miscibility with-water at 20 °C:</b>	Completely miscible
<b>Partition coefficient (n-octanol/water):</b>	-0.92
<b>Viscosity:</b>	50 cP

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Under normal storage and handling conditions.
<b>10.2 Chemical stability</b>	Stable at room temperature.

<b>10.3 Possibility of hazardous reactions</b>	Reacts with alkalis. Reacts with acids. Reacts with heavy metal salts. Reacts with oxidizing agents. Strong exothermic reaction
<b>10.4 Conditions to avoid</b>	Incompatible materials. Temperature: > 80 °C.
<b>10.5 Incompatible materials:</b>	Sulphuric acid...%, heavy metal salts, strong bases, acids, alkalis, oxidizing agents
<b>10.6 Hazardous decomposition products:</b>	Carbon oxides, nitrogen oxides.

## SECTION 11: Toxicological information

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity:</b>	<b>LD50(Oral, Rat):</b> 56.4 mg/kg bw
	<b>LD50(Dermal, Rabbit):</b> Not available
	<b>LC50(Inhalation, Rat):</b> Not available
<b>Skin corrosion/Irritation:</b>	severe skin damage
<b>Serious eye damage/irritation:</b>	Severe eye damage if exposed
<b>Respiratory or skin sensitization:</b>	Not available
<b>Germ cell mutagenicity:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>STOT- single exposure:</b>	Not available
<b>STOT-repeated exposure:</b>	Not available
<b>Aspiration hazard:</b>	Not available
<b>11.2 Information on other hazards</b>	The substance is not identified as having endocrine disrupting properties.

## SECTION 12: Ecological information

<b>12.1 Toxicity</b> <b>Aquatic toxicity:</b>	<b>LC50(96h,fish):</b> 1.53 mg/L <b>EC50(48h,crustacea):</b> 3.36 mg/L <b>EC50(72h, algae/aquatic animals):</b> >100 mg/L
<b>12.2 Persistence and degradability:</b>	Not available
<b>12.3 Bioaccumulative potential:</b>	Not available
<b>12.4 Mobility in soil:</b>	0.28 dimensionless, 25°C
<b>12.5 Other adverse effects</b>	Not available

## SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods</b>	
<b>Uncleaned packaging:</b> <b>Recommendation:</b>	should be thoroughly emptied and rinsed before disposal
<b>Recommended cleansing agents:</b>	water and mild detergents,

## SECTION 14: Transport information

<b>14.1 UN-Number · ADR, ADN, IMDG, IATA:</b>	UN2929
<b>14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:</b>	Toxic liquid, flammable, organic. N.O.S
<b>14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :</b>	6.1/3
<b>14.4 Packing group · ADR, IMDG, IATA:</b>	2
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user</b>	See section 2.2
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	IBC02

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> <b>Directive 2012/18/EU</b>	It is classified as a substance under CLP regulation as a flammable.
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<b>Named dangerous substances</b>	ANNEX I part 1 Substance is listed
<b>15.2 Chemical safety assessment:</b>	A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

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.