

Revised 7th March 2025

SAFETY DATA SHEET

Food Grade Glycol 5L

KegLand Distribution PTY LTD

410 Princes Highway,

Noble Park VIC 3174

1. Product Name Food Grade Glycol 5L

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT IDENTIFICATION:**Product Names:**
Food Grade Glycol 5L**Supplier's Product Code:**
KL08860**Other Names:**

Propylene glycol, 1,2-Propylene glycol, Monopropylene glycol

Recommended Use:

General chemical

Formula: C₃H₈O₂**Supplier Name** KegLand Distribution PTY LTD**Address** 410 Princes Highway, Noble Park, VIC, 3174**Telephone** +61390187935

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION:

NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

DANGEROUS GOODS CLASSIFICATION:

NOT classified as dangerous goods according to the Australian Dangerous Goods Code (ADG)

POISONS SCHEDULE (AUST)

Not Scheduled

3. COMPOSITION

Chemical Entity**Proportion**

Propylene glycol (CAS# 57-55-6)

<=100%

4. FIRST AID MEASURES

INGESTION:	If swallowed, rinse mouth, then drink a glass of water. Seek medical attention if you feel unwell or large quantities are swallowed.
EYE CONTACT:	If in eyes, do not rub or scratch eyes! Immediately hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a physician, or for at least 15 minutes. If eye irritation persists, seek medical attention; consult a specialist.
SKIN CONTACT:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap and running water. If irritation develops seek medical attention.
INHALATION:	Remove from source of exposure to fresh air. Seek medical assistance if the effects persist.
FIRST AID FACILITIES:	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
ADVICE TO DOCTOR:	Treat symptomatically. Following cases of gross over exposure, investigation of liver, kidney and eye function may be advisable. When administering first aid, ensure that appropriate personal protective equipment is employed.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	N/A

5. FIRE FIGHTING MEASURES

FLAMMABILITY CONDITIONS:	Combustible liquid; may burn but does not ignite readily.
SUITABLE EXTINGUISHING MEDIA:	If material is involved in a fire, use dry chemical, carbon dioxide (CO ₂), foam or water spray – Do not use water jets.
HAZARDS FROM COMBUSTION:	Containers may explode when heated and vapours may form explosive mixtures with air. Fire may produce irritating and/or toxic gases, including Carbon oxides.
PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:	Fire fighters should wear self-contained breathing apparatus and protective clothing.
HAZCHEM CODE:	No data available.
SPECIAL FIREFIGHTING INSTRUCTIONS:	Contain runoff from fire control or dilution water – Runoff may pollute waterways. Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed container for disposal.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:	Ensure adequate ventilation and eliminate all ignition sources. Do not touch or walk through spillage area, slippery upon spillage. Wear protective equipment to prevent skin and eye contamination. Ensure all spectators or unprotected personnel are kept away from the spillage area.
METHODS AND MATERIALS FOR	Soak up material with inert absorbent material (e.g. sand, silica gel). Collect material (sweep up or shovel) and place in suitable dry containers and cover loosely for disposal.
CONTAINMENT AND CLEANUP:	Do not allow undiluted product or large quantities to reach ground water, watercourse or sewage system.
ENVIRONMENTAL PRECAUTIONARY MEASURES:	Use personal protective equipment

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Ensure adequate ventilation and safety showers and eye wash facilities are provided within the immediate working area for emergency use. Avoid breathing dusts/aerosols and avoid contact with skin, eyes and clothing. Do not ingest, breathe in vapours or mist. Wear personal protective equipment including gloves, eye protection,
--------------------------------------	---

CONDITIONS FOR SAFE STORAGE

face protection. Wash contaminated clothing and other protective equipment before storage or re use. Keep away from heat and sources of ignition.

Store in the original container in a cool, dry, well-ventilated place, away from heat and direct sunlight. Keep containers tightly closed when not in use. Recommended storage temperature <=40°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

- Safe Work Australia Exposure Standard (vapour & particulates): TWA = 150 ppm (474 mg/m³).
- Safe Work Australia Exposure Standard (particulates only): TWA = 10 mg/m³.
- New Zealand Workplace Exposure Standard (vapour & particulates): TWA = 150 ppm (474 mg/m³).
- New Zealand Workplace Exposure Standard (particulates only): TWA = 10 mg/m³.

EXPOSURE LIMIT VALUES:

BIOLOGICAL LIMIT VALUES:

ENGINEERING CONTROLS:

PERSONAL PROTECTION EQUIPMENT:

No information available

No information available

Ensure ventilation is adequate. Local exhaust ventilation is preferred to prevent dispersion in the general work area.

Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Organic vapour/particulate filter respirator.

Eye/face protection: Wear appropriate eye protection to avoid contact with eyes. Recommended: safety glasses or goggles.

Hand protection: Handle with gloves. Recommended: chemical resistant nitrile rubber.

Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: chemical resistant workwear and safety shoes.

HYGEINE PRECAUTIONS

Wash your hands before eating, drinking, smoking or going to the toilet. Take off contaminated clothing and wash it before reuse.

Discard contaminated clothing and footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Liquid, colourless.

ODOUR:

Odourless

PH (NEAT):

Approx 7

SPECIFIC GRAVITY:

1.036 g/cm³

BULK DENSITY:

Not available

VAPOUR PRESSURE:

0.010 kPa (@20°C)

RELATIVE VAPOUR DENSITY:

2.5 (Air =1)

BOILING POINT / RANGE:

186 - 189°C

MELTING POINT:

Not available

FREEZING POINT:

<-59°C

SOLUBILITY:

Miscible with water, rapidly dissolves in organic solvent.

FLASH POINT:

99°C

FLAMMABILITY LIMITS:

2.6 – 12.6% 9 (v/v)

IGNITION TEMPERATURE:

371 – 421°C

PROPERTIES THAT MAY INITIATE OR CONTRIBUTE TO FIRE INTENSITY:

Combustible liquid; May burn but does not ignite readily.

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, sulphur oxides and unidentified organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

REACTIONS THAT RELEASE GASES OR VAPOURS:

When heated, vapours may form explosive mixtures with air.

OTHER:

CHEMICAL STABILITY:	Stable. Hygroscopic.
CONDITIONS TO AVOID:	Avoid heat, flames and sparks. Avoid temperatures above 40°C.
INCOMPATIBLE MATERIALS:	Incompatible with strong oxidizing agents, strong acids, strong bases, isocyanates.
HAZARDOUS DECOMPOSITION PRODUCTS:	Combustible liquid; May burn but does not ignite readily. Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, sulphur oxides and unidentified organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
HAZARDOUS POLYMERISATION:	Will not occur.

10. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (ORAL)	Expected low toxicity, LD50>2000mg/kg (mouse)
ACUTE TOXICITY (SKIN)	Expected low toxicity, LD50>2000mg/kg (mouse)
ACUTE TOXICITY (INHALATION)	Low toxicity: LC50 above the saturated steam concentration
GENERAL INFORMATION INGESTION	No specific hazards under normal use conditions
EYE CONTACT:	No specific hazards under normal use conditions. Eye irritation symptoms may include burning sensation, redness, swelling and/or blurred vision.
SKIN CONTACT:	No specific hazards under normal use conditions. Skin irritation symptoms may include a burning sensation, redness or swelling.
INHALATION:	No specific hazards under normal use conditions. Possible respiratory inhalation symptoms include a temporary burning sensation of the nose and throat, coughing and/or difficulty breathing.
CHRONIC EFFECTS:	None
CARCINOGEN CATEGORY:	None

11. ECOLOGICAL INFORMATION

ECOTOXICITY:	LC50, Fish (Oncorhynchus mykiss): 40,613 mg/L (96 h) No information available. LC50, Crustacea (Daphnia Magna): 34400 mg/L (48 h) EC50, Algae (Pseudokirchneriella subcapitata): 19,000 mg/l (96 h)
PERSISTENCE AND DEGRADABILITY:	Readily biodegradable.
MOBILITY:	If the product enters soil, one or more constituents will or may be mobile and may contaminate groundwater.
OTHER:	Avoid release to the environment. Do not allow undiluted product or large quantities to reach ground water, watercourse or sewage system.

12. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of in accordance with local regulations and environmental legislation.
SPECIAL CONSIDERATIONS FOR LANDFILL OR INCINERATION:	Containers, even those that have been emptied, may contain explosive vapours. Do not cut, drill, grind or weld on or near containers.

13. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT:	
UN NUMBER:	No data available
UN PROPER SHIPPING NAME:	Propylene Glycol

CLASS AND SUBSIDIARY RISK(S):	No data available
PACKAGING GROUP:	No data available
HAZCHEM CODE:	No data available
INITIAL EMERGENCY RESPONSE GUIDE:	No data available
SEGREGATION DANGEROUS GOODS:	No data available
COMMENTS	NON-DANGEROUS GOODS: Not regulated for land transport
 MARINE TRANSPORT:	
UN NUMBER:	No data available
UN PROPER SHIPPING NAME:	Propylene Glycol
CLASS AND SUBSIDIARY RISK(S):	No data available
PACKAGING GROUP:	No data available
STOWAGE AND SEGREGATION:	No data available
COMMENTS:	NON-DANGEROUS GOODS: Not regulated for sea transport
 AIR TRANSPORT	
UN NUMBER:	No data available
UN PROPER SHIPPING NAME:	Propylene Glycol
CLASS AND SUBSIDIARY RISK(S):	No data available
PACKAGING GROUP:	No data available
ERG CODE:	NON-DANGEROUS GOODS: Not regulated for air transport
COMMENTS:	

14. REGULATORY INFORMATION

GENERAL INFORMATION: No Data Available

POISONS SCHEDULE (AUST)	Not scheduled
AICS STATUS	Listed
NEW ZEALAND (NZIoC)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand: (NZIoC)	Not Determined
Phillipines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined