



SAFETY DATA SHEET

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: Monopropylene Glycol
Proper Shipping Name
Recommended use: Generally accepted for manufacture of polyester resins, solvent, de-icing fluid.
Company Details Marketing Chemicals Ltd
Address: 2 Rymer Place, Mangere Bridge, Auckland. New Zealand
Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax: +64 9 634 3864
Emergency Telephone: +64 274 736008(24 hours)
National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation 5 November 2014

Section 2: Hazard Identification

This product is not considered as hazardous in accordance to the HSNO act 1996.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Monopropylene Glycol	95.5 – 100	57-55-6

Section 4: First Aid Measures

Eyes: If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin: Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Ingestion: Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	99°C
Auto ignition Temperature:	421°C
Flammable Limits in Air % by Volume:	2.6 – 12.5
Extinguishing Media:	Use carbon dioxide, dry chemical, and foam or water mist.
Fire Fighting Instructions:	Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.
Unusual Fire and Explosion Hazards:	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Section 6: Accidental Release Measures

Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert non-combustible absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Section 7: Handling And Storage

Handling

Use in a well-ventilated area. DO NOT store or use in confined spaces. Build-up of mists or vapours in the atmosphere must be prevented. Avoid breathing in mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Storage:

Store in a cool(<40°C), dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:	Normal ventilation is sufficient
Eye / Face Protection:	Wear appropriate eye protections.
Hand Protection:	Wear gloves of impervious material such as PVC, neoprene or nitrile rubber gloves
Respiratory Protection:	None
Exposure Limits:	TWA = 150ppm (474mg/m ³);

Section 9: Physical And Chemical Properties

Appearance	Colourless Liquid
Odour	Odourless
Specific Gravity	1.04 @20°C
pH	Not available

Vapour Density(air = 1)	2.50 @20°C
Vapour pressure	0.3 mBar @ 25°C
% Volatiles	Not available
Solubility in water	100%
Boiling Point	187.4°C
Flash Point	99°C (PMCC)

Section 10: Stability And Reactivity

Stability of the Substance:	Stable under normal conditions
Conditions to avoid:	Heat, direct sunlight, open flames or other sources of ignition.
Materials to avoid:	Strong oxidising agents, strong acids and bases.
Hazardous Decomposition Products:	Aldehydes, alcohols, ethers and organic acids.
Conditions Contributing to Hazardous Polymerization	N/A

Section 11: Toxicological Information

Toxicology Information	Acute toxicity: LD50 (oral,rats): 20,000 - 34,000 mg/kg Very low toxicity LD50 (dermal,rabbit): > 20,000 mg/kg
Inhalation	
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May cause redness, itching and irritation.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.

Section 12: Ecological Information

Not available

Section 13: Disposal Considerations

Dispose(Large quantities) through Licensed Disposal Company

Section 14: Transport Information

Not classified as hazardous for transportation

UN No:

Proper Shipping Name:

Dangerous Goods Class:

Packing Group:

Hazchem Code:

Section 15: Regulatory Information

HSNO Approval No: Not Applicable

Group Standard: Not Applicable

HSNO Classes: None

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]

New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
Phone: +64 (09) 634 3862 / +64 (0)27 473 6008
Fax : +64 (09) 634 3864

Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

End of Safety Data Sheet.