

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Glycol Methacrylate.
Catalogue Number: C057
Other Names: 2-Hydroxyethyl Methacrylate, stabilized; GMA.
Recommended Use: Used as a water soluble monomer.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:
 Hazardous according to criteria of Hazardous Substances Information System [HSIS Worksafe Australia].

Hazardous and/or Dangerous Nature:
 HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Risk Phrases:
 R36/38 Irritating to eyes and skin.
 R43 May cause sensitisation by skin contact.

Safety Phrases:
 S2 Keep out of reach of children.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 After contact with skin, wash immediately with plenty of disinfectant soap and warm water.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Pure Substance (Proportion 100%):

Chemical Identity: Glycol Methacrylate.
Common Name(s): 2-Hydroxyethyl Methacrylate, stabilized; GMA.
CAS Number): 868-77-9

Mixture Substance:

<i>Ingredients</i>	<i>Cas Number(s)</i>	<i>Proportion (%)</i>
Glycol Methacrylate	868-77-9	100

SECTION 4 - FIRST AID MEASURES

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. WARM water MUST be used. Do not use an eye ointment. Seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water. WARM water MUST be used. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases, and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
 For SERIOUS CONTACT: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

First Aid Facilities: Eyebath/eyewash, Safety shower & general washroom facilities.

Medical Attention & Special Treatment:

Not available.

Additional Information:

Not available.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Small Fire: Use DRY chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water jet.

Hazards from Combustion Products:

May produce carbon monoxide and carbon dioxide. May combust at high temperatures.

Precautions for Fire Fighters:

Wear appropriate protective equipment and breathing apparatus appropriate for the situation.

Hazchem Code: 3YE

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Wear Splash goggles, full suit, boots and gloves while cleaning a spill.

Containment & Clean up:

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow the material to evacuate through the sanitary system.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Precautions for Safe Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Use in a well ventilated area, use a respirator when ventilation is inadequate. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal Protective Equipment:

When handling wear gloves, lab coat, splash goggles and appropriate respirator when ventilation is inadequate. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid.
Odour:	Not available.
pH:	Not available.
Vapour pressure (mm of Hg at °C):	Not available.
Vapour density:	Not available.
Boiling point/range (°C):	67°C.
Freezing/melting point (°C):	Melts at -12°C.
Solubility:	Partially soluble in hot water.
Specific gravity or density:	Not available.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Additional Information:	Not available.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	High temperatures and incompatible materials.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	

May produce carbon monoxide and carbon dioxide. May combust at high temperatures.

Hazardous Reactions: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

The substance is toxic to blood, the reproductive system, liver, spleen, central nervous system.

Ingestion:

None known.

Inhalation:

None known.

Eye Contact:

None known.

Skin Contact:

None known.

Human/Animal data: Acute oral toxicity (LD50): 3275 mg/kg [Mouse].
Developmental Toxicity: Classified Reproductive system/toxin/female, Development toxin [POSSIBLE]. The substance is toxic to blood, the reproductive system, liver, spleen, central nervous system

Carcinogenic Category: Not classified as a Carcinogen by the IARC.

Other Carcinogenic Information: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: The product itself and its products of degradation are not toxic.

Persistence and degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of in accordance with Federal, State and Local regulations.

Special Precautions/Additional Informational:

Not available.

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not regulated.

UN Proper Shipping Name: Not regulated.

Class and Subsidiary risk: Not regulated.

Packing Group: Not regulated.

Special Precautions for User: Not available.

Hazchem Code: 3E

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None Allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: October 10

Comments:

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

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