

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **GLENIUM 8008**

Company: BASF South East Asia Pte Ltd
Address: 33 Tuas Avenue 11
Singapore 639090

Telephone number: +65 6861 6766
Facsimile: +65 6861 3186

Emergency telephone numbers: +65 6861 6766

2. HAZARDS IDENTIFICATION

Safety hazards: Handle it with attention because hazardous information is insufficient
Health hazards: May not be severely hazardous, but contact may cause to some irritation.
Environmental hazards: Not identified in the hazardous chemical substance classification of the MSDS Guideline

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:	Polycarboxylate ether compound	Methacrylic acid
Hazardous Ingredients:	n.as.	n.a.s
CAS No:	173659-56-8	79-41-4
Hazard symbols:	n.as.	n.as.
R-phrases:	n.as.	n.as.
% Concentration:	n.as.	1.5

4. FIRST AID MEASURES

Ingestion: Rinse mouth immediately with plenty of clean and warm water. In case of swallowing the product, do not induce vomiting and ingest anything else, contact a physician immediately.

Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention.

Skin: Wash contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.

Inhalation: Blow nose and gargle. Move the victim to fresh air and lay still. Consult a physician.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	This product itself is not combustible, so choice of extinguishing agents depends on the other materials stored nearby. Powder, foam, CO ₂ or water spray
Hazards from combustion products:	Not identified.
Precautions and equipment for fire fighters:	The solid is combustible when dried up by heating and may burn to evolve CO _x , decomposition products etc. Wear protective equipment (breathing apparatus etc).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use rubber gloves, safety glasses and rubber boots to avoid contact.
Environmental precautions:	Do not discharge undiluted liquid into drains, surface and/or ground waters or onto surface soils.
Method for cleaning up:	If a large amount is spilled, dam up the liquid with soil or sand. Collect the spilled liquid by pumping or absorbing with dry sand, soil, sawdust, waste cloths, etc. and transfer it to a covered container as much as possible. Wash away the small remainder with a large amount of water.

7. HANDLING AND STORAGE

Handling:	Wear personal protection to avoid inhalation or contact to eyes, skin, etc. Handle it in a well-ventilated place. Wash eyes, face and hands well after handling.
Storage:	Keep the containers away from contamination and rainwater. Avoid freezing. Long term storing in the trunk or closed fontainer may cause deficiency of oxygen or gas evolution through rotting or decomposition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection:	Wear safety glasses, which comply with local standards.
Hand protection:	Wear rubber gloves or suitable protective creams.
Body protection:	Wear suitable protective clothing.
Respiratory protection:	None
Hygienic practices:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and the end of the workday. When using material, do not eat, drink, or smoke.
Occupational exposure controls:	None
Exposure limits values:	Methacrylic acid: ACGIH (TLV-TWA)=20ppm
Engineering controls:	Ventilator system. Eye and hand-washing facilities (safety shower or washer)

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Reddish brown
Odour:	Specific odour
Freezing temperature (°C):	n.d. (<0°C)
Boiling point (°C):	n.d. (about 100°C)
Melting point (°C):	n.a.
Vapour pressure:	n.a.
Specific gravity:	Approx. 1.07 @ 20°C
Flash point (°C):	n.a.
Flammability limits (%):	n.a.
Solubility in water:	soluble
pH:	about 5
Viscosity:	n.a.
Explosive properties:	Not explosive
Volatility:	None (Aqueous Solution)

10. STABILITY AND REACTIVITY

Stability:	Stable during normal handling.
Conditions to avoid:	n.a.
Materials to avoid:	Heating, oxidising agents, strong acid or alkaline
Hazardous decomposition products:	The dried solid may burn or decompose by heating to evolve hazardous gasses (organics, CO _x , etc) Methacrylic acid may be released by heating or contact with acid.

11. TOXICOLOGICAL INFORMATION

Acute

Eye:	Some irritant. May cause temporary cornea inflammation
Skin:	Long-term or repeated contact may cause sebum removal, irritation and inflammation.
Inhalation:	May irritate mucous membranes
Acute toxicity:	Data not available for product. Toxic effect may be low during normal handling. Methacrylic acid – LD50 (oral, rat) = 1060 mg/kg
Others:	Contact during normal handling may not be severely hazardous, but handle it with attention because hazardous information is insufficient. Contact should be minimised.

12. ECOLOGICAL INFORMATION

Ecology:	Fish Toxicity: Data not available for product. Do not discharge the product into public watercourses, sewer, ground etc.
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13. DISPOSAL CONSIDERATIONS

:Dispose subjecting the national and the local law. Entrust to a licensed waste handler. May be burned in an approved incinerator. A small amount may be mixed into concrete and hardened. (Refer to the product handling manuals for dosage).

14. TRANSPORT INFORMATION

Handle the containers carefully not to fall, tumble or get shocked. Any transportation practice must be in compliance with laws and regulations.

UN Classification : n.d.

15. REGULATORY INFORMATION

PRTR Law: Class 1 : Methacrylic acid (Ordinance No. 314).

Labour Hygiene Law: Substance to be notified : Methacrylic acid (Ordinance No. 556)

16. OTHER INFORMATION

Key:

n.a. = not applicable

n.as. = not assigned

n.d. = no data

Reason for Issue: New format based on National Code of Practice for the preparation of MSDS – 2nd edition [NOHSC:2011(2003)]. Change of company name.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.