

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **GLENIUM 103 SURETEC**

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

Chemical characterization: Aqueous solution, containing polycarboxylate ether.

Hazardous Ingredients: none

CAS No: n.a.

Hazard symbols: n.a.

R-phrases: n.a.

% Concentration: n.a.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Safety hazards: No known safety hazards.

Health hazards: May cause skin and eye irritant.

Environmental hazards: Please see Section 12.

4. FIRST AID MEASURES

Immediate treatment

Eye contact: Flush well with copious amount of clean water and contact a physician. Seek immediate medical advice.

Skin contact: Wash with soap and water.

Inhalation: n.a.

Ingestion: Rinse out mouth with water. Induce vomiting only on advice of physician. Seek medical attention

5. FIRE FIGHTING MEASURES

Special hazards: None.

Protective equipment: Eye protection required.

Extinguishing agents: Will not burn. For residual solids, use water spray, carbon dioxide, dry chemical or universal type foams.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Eye protection and skin protection required.
Environmental precautions:	Do not discharge undiluted liquid into public watercourses.
Method for cleaning up:	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 protections to avoid Inhalation or contact to eyes, skin etc. Wash eyes, face and hands well after handling.
Requirements for storage rooms:	Keep containers closed. Avoid freezing.
Additional information:	Recommended shelf life in unopened containers 12 months.
Materials not to be stored together:	n.d.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures:	n.a.
Personal protection	
Respiratory protection:	n.a.
Eye protection:	Wear safety glasses.
Hand protection:	Protective gloves or suitable barrier cream recommended.
Body protection:	n.a.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Amber liquid
Odour:	Specific odour
Freezing temperature:	n.d.
Boiling point:	>100°C
Melting point:	n.a.
Flash point:	n.a. (aqueous)
P1:	n.a.
EPL (in):	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Relative density:	Approx. 1.07 gcm ⁻³ @ 20°C.
Solubility:	Soluble.
pH value:	7.0 – 9.0
Viscosity:	n.a.

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10. STABILITY AND REACTIVITY

Stability:	Stable under ambient conditions.
Hazardous reactions (conditions to avoid):	Heating & Freezing.
Materials to avoid:	Avoid contact with strong oxidizers.
Hazardous decomposition products:	After drying out, carbon mono/dioxide, ammonia and nitrogen oxide and/or harmful vapours and fumes develop.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (lethal dose)

LD50 oral Albino rat

Dose:	n.d.
Additional information:	n.d.
Information applies to:	GLENIUM 103 SURETEC

LC50 inhalation Albino rat

Dose:	n.d.
Additional information:	n.d.
Information applies to:	GLENIUM 103 SURETEC

Acute toxicity (irritation, sensitization etc.)

Eye irritation Albino rabbit

Result:	n.d.
Symptoms:	n.d.
Method:	n.a.

Skin irritation Albino rabbit

Results:	n.d.
Symptoms:	n.d.
Method:	n.a.

Delayed or chronic toxicological effects

Additional information:	n.d.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

LC50 dose: n.d.

Additional information

Ecotoxicity: n.d.

Biochemical oxygen demand

COD: n.d.

BOD: n.d.

Other: n.a.

13. DISPOSAL CONSIDERATIONS

Dispose in approved method for industrial waste in accordance with local legislation requirements.

14. TRANSPORT INFORMATION

This product is not classed as a dangerous good in any transport regulation.

Road transport ADR / RID

Class: n.a.

Number/letter: n.a.

Warning sign: n.a.

Hazard No: n.a.

UN No: n.a.

Maritime / Air transport IMDG

UN No: n.a.

PG: n.a.

Class: n.a.

IMDG code page: n.a.



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15. REGULATORY INFORMATION

Classification: Non-hazardous.
Hazard labels: None required.
R-phrases: n.a.
S-phrases: n.a.

National regulatory information:

Other regulations, restrictions and prohibitions:

n.a.

16. OTHER INFORMATION

Product should be stored on site in leak proof and rupture proof containers.

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.