

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **GLENIUM[®] ACE 32**

Company: BASF (Thai) Limited
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Telephone number: +66 3845 3020
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Emergency telephone numbers: +66 3845 3020

2. HAZARDS IDENTIFICATION

Safety hazards: Not known.

Health hazards: Eye irritant. Skin irritant. May cause sensitisation in susceptible individuals by skin contact. Irritant if swallowed.

Environmental hazards: See section 12.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Aqueous solution containing polycarboxylate ether polymers

Hazardous Ingredients:	Sodium Hydroxide	Orthophenylphenol
CAS No:	1310-73-2	90-43-7
Hazard symbols:	C	Xi
R-phrases:	35	36/38
% Concentration:	<0.2	<0.2

4. FIRST AID MEASURES

Immediate treatment

Eye contact: While eyes are held open gently flush with water for 15 minutes.

Skin contact: Remove all contaminated clothing and shoes. Wash skin thoroughly with soap and water. Avoid solvents. Seek medical advice if irritation persists.

Inhalation: Remove to fresh air. Supply oxygen and / or artificial respiration as needed. Seek medical assistance as needed particularly in case of allergic response.

Ingestion: Do not induce vomiting. Contact doctor immediately. Rinse mouth and give glass of water.

Information for physicians: Treat symptomatically. Contact Poisons Information Center as needed. Allergic response as dermatitis or asthma-like symptoms / wheezing may occur after a single significant exposure and sensitization may occur after single or multiple minor exposures, depending on the individual.

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5. FIRE FIGHTING MEASURES

Special hazards: In case of fire oxides of carbon, nitrogen and other toxic gases are formed.
Protective equipment: Fire fighters should wear self-contained breathing apparatus in enclosed areas.
Extinguishing agents: Water spray, foam, carbon dioxide, dry powder.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection and ensure adequate ventilation.
Environmental precautions: Prevent discharge into drains, sewers and waterways.
Method for cleaning up: Absorb in inert dry material. Do not sweep up or wash down with water.

7. HANDLING AND STORAGE

Handling: Keep containers tightly closed when not in use.
Requirements for storage rooms: Keep dry and preferably keep cool.
Additional information: Keep separate from oxidizing materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures: Use mechanical mixing equipment and provide long handled brush for washing tools. Use only in well ventilated areas.

Personal protection

Respiratory protection: Use respiratory equipment in accordance to local safety requirements.
Eye protection: Wear safety glasses, which comply with local standards.
Hand protection: Wear gloves or suitable protective creams.
Body protection: Wear overalls or other suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Colour: Milky brown
Odour: Mild
Freezing temperature: n.d.
Boiling point: >100°C
Melting point: n.d.
Flash point: n.as.
Vapour pressure: n.d.
Vapour density: n.d.
Relative density: 1.042 @ 28°C

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pH value: 7 approx.
Viscosity: n.d.

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and usage temperatures.
Hazardous reactions (conditions to avoid): Avoid heat, and sources of ignition.
Materials to avoid: Avoid oxidizing materials.
Hazardous decomposition products: None under normal storage and use temperatures.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (lethal dose)

LD50 oral Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: Glenium Ace 32

LC50 inhalation Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: Glenium Ace 32

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: Do not allow to be absorbed into soil. Prevent discharge into drains and waterways.

Biochemical oxygen demand

COD: n.d.

BOD: n.d.

Other: n.a.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local and governmental regulations.
Set resin and hardener can be disposed to landfill.

14. TRANSPORT INFORMATION

This product is not classified as a dangerous good under any transport regulations.

Road transport ADR / RID

Class: n.as.

Number/letter: n.as.

Warning sign: n.as.

Hazard No: n.as.

UN No: n.as.

Maritime / Air transport IMDG

UN No: n.as.

PG: n.as.

Class: n.as.

IMDG code page: n.as.

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15. REGULATORY INFORMATION

Classification: None-required.

Hazard labels: n.as.

R-phrases: n.as.

S-phrases: n.as..

National regulatory information:

n.as.

Other regulations, restrictions and prohibitions:

n.a.

16. OTHER INFORMATION

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.