

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **RHEOMAC GF300**

Company: BASF South East Asia Pte Ltd
Address: 33 Tuas Avenue 11
Singapore 639090
Telephone number: +65 6861 6766
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Emergency telephone numbers: +65 6861 6766

2. HAZARDS IDENTIFICATION

Safety hazards: Any physical contact (e.g. through sweat or eye fluid) should be avoided as it may cause irritation, dermatitis or burns.
Health hazards: Dust from dry product can cause irritation if breathed. When wet the product is highly alkaline causing skin irritation, dermatitis or burns with prolonged exposure
Environmental hazards: Product shall not be discharged into drains and sewers.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Expansion agent for cement.
Hazardous Ingredients: Linosulphonate, Fly Ash
CAS No: n.a.
Hazard symbols: n.a.
R-phrases: n.a.
% Concentration: n.a.

4. FIRST AID MEASURES

Ingestion: Irritation and possible burns. Seek medical advice.
Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek immediate medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
Skin: Wash contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.
Inhalation: n.a.
First aid facilities: Ensure availability of clean water for eye/skin wash.
Advice to doctor: Treat symptomatically. Product is mixed with water when used. When wet, a strong solution of caustic soda is produced.

MATERIAL SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Product is non-combustible.
Hazards from combustion products: None.
Precautions and equipment for fire fighters: n.a.

6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting: Collect and dispose in approved method for cement in accordance with local legislation requirements.
Environmental precautions: Do not discharge into drains and sewers. Precautions the same as for cement.
Personal precautions: Eye protection and skin protection required.

7. HANDLING AND STORAGE

Conditions for safe storage

Location: Store in a cool dry area. Keep dry.
Temperature conditions: 5 to 35°C
Protection from weather: Store undercover and away from frost.
Storage incompatibilities: n.a.
Additional information: Recommended shelf life in unopened containers 12 months.
Handling: Minimise dust generation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Not available
Engineering controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment This product is not classified as hazardous, so PPE is not normally essential. However, it is generally recommended that contact with any chemical be kept to a minimum. Following is a guide to suggested PPE that may be utilised for handling this product.

Respiratory protection: Wear dust mask.
Glove type (AS2161): Protective gloves or suitable barrier cream recommended.
Eye protection: Wear safety glasses, which comply with local standards.
Clothing: Protective industrial clothing recommended.

Other: Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

MATERIAL SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dry powder.
Colour:	Grey brown.
Odour:	None.
Freezing temperature (°C):	n.a.
Boiling point (°C):	n.a.
Melting point (°C):	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Specific gravity:	n.a.
Flash point (°C):	n.a. (dry solid)
Flammability limits (%):	UEL – n.a. LEL – n.a.
Solubility in water:	Slight.
pH:	n.a.
Partition coefficient:	n.a.
Viscosity:	n.a.

10. STABILITY AND REACTIVITY

Hazard of use/storage:	Stable under normal storage and application temperature.
Hazardous reactions (conditions to avoid):	Dust generation when handling dry product. Highly alkaline when mixed with water.
Materials to avoid:	n.a.
Hazardous decomposition products:	None.

11. TOXICOLOGICAL INFORMATION

Acute

Ingestion:	n.d.
Eye:	n.d.
Skin:	n.d.
Inhalation:	n.d.

Chronic: There have been no reports in the literature of health effects in workers arising from long term exposure to this material and no comprehensive human studies have been conducted.

12. ECOLOGICAL INFORMATION

Ecology:	n.d.
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MATERIAL SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS

Disposal Methods

State/Territory authority:	Dispose in approved method for industrial waste in accordance with local legislation requirements.
Dispose – Secure landfill:	Yes.
Dispose – High temp incinerator:	No
Precautions for clean up crew:	Nitrile rubber or PVC gauntlets.

14. TRANSPORT INFORMATION

UN number:	n.a.
Dangerous goods class:	n.a.
EPG card:	n.a.
Shipping name:	n.a.
Packing group:	n.a.
Poisons schedule:	n.a.
Hazchem code:	n.a.

15. REGULATORY INFORMATION

Classification:	Non-hazardous.
Hazard labels:	No special labelling.
Risk phrase(s):	34, 43.
Safety phrase(s):	24/25.

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.