

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **MBRACE[®] EG900 E-GLASS REINFORCEMENT SYSTEM**

Company: BASF South East Asia Pte Ltd

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Singapore 639090

Telephone number: +65 6861 6766

Facsimile: +65 6861 3186

Emergency telephone numbers: +65 6861 6766

2. HAZARDS IDENTIFICATION

Safety hazards: Not identified.

Health hazards: Only by abrasive action that may cause slight itching and irritation and causes damage to the outer surface of the eye.

Environmental hazards: See section 12.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical

characterization: Fibre Glass

Hazardous Ingredients: n.as.

CAS No: n.as.

Hazard symbols: n.as.

R-phrases: n.as.

% Concentration: n.as.

4. FIRST AID MEASURES

Immediate treatment

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

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 plenty of water (if possible charcoal slurry). If a person vomits when lying on their back, place them in the recovery position. Oxygen or artificial respiration if needed.

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 sensitisation 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. Do not allow material to contaminate ground water system. Prevent product from entering drains.
Protective equipment:	Fire fighters should wear self-contained breathing apparatus and protective suit.
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.
Materials not to be stored together:	Keep separate from oxidising materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures:	n.a.
Personal protection	
Respiratory protection:	Use respiratory equipment in accordance to local safety requirements.
Eye protection:	Wear safety glasses, which comply with local standards. Do not wear contact lenses when working with this material.
Hand protection:	Wear gloves or suitable protective creams.
Body protection:	Wear overalls or other suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	White
Odour:	n.a.
Freezing temperature:	n.d.
Boiling point:	n.a.
Melting point:	>817.1°C
Flash point:	Non-flammable
Vapour pressure:	n.a.
Vapour density:	n.a.

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Specific Gravity: Glass 2.6
pH value: n.a.
Viscosity: n.a.

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and usage temperatures.
Hazardous reactions
(conditions to avoid): Not identified.
Materials to avoid: Not identified.
Hazardous decomposition products: Not identified.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (lethal dose)

LD50 oral Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: MBrace EG900 E-Glass Reinforcement System

LC50 inhalation Albino rat

Dose: n.d.
Additional information: n.a.
Information applies to: MBrace EG900 E-Glass Reinforcement System

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.a.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

LC50 dose: n.d.

Additional information

Ecotoxicity: Fiber glass is generally considered to be an inert solid waste, no special precaution should be taken in case it is released or spilled.

Biochemical oxygen demand

COD: n.d.

BOD: n.d.

Other: n.a.

13. DISPOSAL CONSIDERATIONS

Dispose in a landfill in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

This product is not classed as a dangerous good in 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: Not Classified
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

Reason for Issue: Review and update..

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.