

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **CEMENTIUM 2350 ES** (Formerly known as Cementium 250ES)

Company: BASF South East Asia Pte Ltd

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Singapore 639090

Telephone number: +65 6861 6766

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2. HAZARDS IDENTIFICATION

Safety hazards: Contact may cause some irritation.

Health hazards: Do not ingest.

Environmental hazards: See Section 12.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Aqueous solution based on modified alkanolamines.

Hazardous Ingredients: n.a.

CAS No: n.a.

Hazard symbols: n.a.

R-phrases: n.a.

4. FIRST AID MEASURES

Immediate treatment

Eye contact: Flush with plenty of water for at least 15 minutes and contact a physician. Seek immediate medical advice.

Skin contact: Wash with soap and water.

Inhalation: Blow nose and gargle. Move the person to a place full of fresh air and lay still, then contact a physician.

Ingestion: Rinse out mouth with water and drink plenty of clean water or warmed water, then contact a physician. Do not induce vomiting. Give nothing through mouth to the person if they are unconscious.

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5. FIRE FIGHTING MEASURES

Special hazards: None.
Protective equipment: Suitable oxygen breathing.
Extinguishing agents: This product itself is not combustible.

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 public watercourse.
Method for cleaning: If 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 protections to avoid inhalation or contact to eyes, skin etc. Wash eyes, face and hands after handling.
Storage: Keep the containers away from contamination and rainwater. Avoid freezing. Long-term storage in the tank or closed container may cause deficiency of oxygen or gas evolution through rotting and decomposition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Occupational exposure controls: None
Exposure limits value: None
Engineering Control: Eye and hand-washing facilities (safety shower and eye washer).
Personal protection: Safety glasses, rubber gloves, rubber boots, apron, etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Colour: Brown
Odour: Specific odour
Freezing temperature: n.a.
Boiling point: n.a.
Melting point: n.d.
Flash point: n.a.
Self ignition: n.a.
Vapour pressure: n.a.

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Vapour density:	n.a.
Density at 20°C:	Approx. 1.15 g/cm ³
Solubility in water:	Soluble
pH value:	Approx. 11.5
Partition coefficient:	n.a.
Viscosity:	n.a.

10. STABILITY AND REACTIVITY

Stability:	Stable under ambient conditions.
Hazardous reactions (conditions to avoid):	Stable during normal handling.
Materials and conditions to avoid:	Heating, oxidizing agent, strong acid or alkaline.
Hazardous decomposition products:	The dried solid may burn or decompose by heating to evolve hazardous gasses (organics, COx, etc.).

11. TOXICOLOGICAL INFORMATION

Inhalation:	May irritate mucous membranes.
Skin contact:	Long term or repeated contact may cause skin irritation, inflammation and dryness.
Eye contact:	Slight irritant. May cause temporary cornea inflammation.
Acute toxicity:	n.d.
Chronic effects:	n.d.
Others:	Contact during normal handling may not be severely hazardous.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Do not discharge the product into public watercourses, sewer, ground etc.
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13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Handle the containers carefully to prevent falling, tumbling or getting shocked.

Any transportation practice must be in compliance with laws and regulations.

UN Classification: Not identified.

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15. REGULATORY INFORMATION

Classification: Non-hazardous.
Hazard labels: None required.

National regulatory information:

n.a.

Other regulations, restrictions and prohibitions:

n.a.

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.