

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **BARRA® 82**

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

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: Portland cement, inert fillers, expansive agents.

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: Flush with plenty of water for at least 15 minutes Seek immediate medical advice.

Skin contact: Wash with soap and water.

Inhalation: n.a.

Ingestion: Irritation and possible burns.

Information for physicians: Product is mixed with water when used. When wet, a strong solution of caustic soda is produced.

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5. FIRE FIGHTING MEASURES

Special hazards: None.
Protective equipment: n.a.
Extinguishing agents: Product is non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Eye protection and skin protection required.
Environmental precautions: Do not discharge into drains and sewers. Precautions the same as for cement.
Method for cleaning up: Collect and dispose as given in 13.

7. HANDLING AND STORAGE

Handling: Minimise dust generation.
Requirements for storage rooms: Keep dry.
Additional information: Recommended storage life in unopened or undamaged bags is 12 months.
Materials not to be stored together: n.a.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection: Wear dust mask.
Eye protection: Wear safety glasses.
Hand protection: Protective gloves or suitable barrier cream recommended.
Body protection: Protective industrial clothing recommended.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Dry powder
Colour:	Grey
Odour:	None
Freezing temperature:	n.a.
Boiling point:	n.a.
Melting point:	n.a.
Flash point:	n.a. (dry solid)
P1:	n.a.
EPL (in):	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Relative density:	n.d.
Solubility:	Insoluble.
pH value:	n.a. to dry product. pH > 12 when mixed with water
Partition coefficient:	n.a.
Viscosity:	n.a.

10. STABILITY AND REACTIVITY

Stability:	Stable under ambient conditions.
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 under ambient conditions.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity (lethal dose)

LD50 oral Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: Barra 82

LC50 inhalation Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: Barra 82

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 cement in accordance with local legislation requirements.

14. TRANSPORT INFORMATION

Product is not classed as dangerous goods 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.as.
S-phrases: n.as.

National regulatory information:

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.