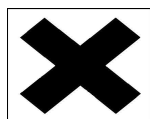


EMACO S90

Irritant

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	EMACO® S90
Recommended use	Modified mortar
Manufacturer / Distributor	BASF Construction Chemicals UK Ltd Albany House, Swinton Hall Road, Swinton Manchester M27 4DT Tel : + 44 161 794 7411 - Fax : + 44 161 727 8547 Website: www.basf-cc.co.uk
Emergency information	UK: Tel: +32 11 34 04 10

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristics

Hazardous components

Portland cement (Cr-VI < or = 2 ppm)

Conc: > 20 % - Einecs: 266-043-4 - CAS: 65997-15-1 - Xi - R36/37/38, R41

Calcium Oxide

Conc: 1 - 5 % - Einecs: 215-138-9 - CAS: 1305-78-8 - Xi - R14, R37/38, R41

3. HAZARDS IDENTIFICATION

Risks	R36/37/38 - Irritating to eyes, respiratory system and skin. R41 - Risk of serious damage to eyes.
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4. FIRST AID MEASURES

Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin contact	Wash off immediately with plenty of water. Get medical attention if irritation persists. Remove and wash contaminated clothes.
Inhalation	Remove affected person to fresh air. In case of breathing difficulty or distress, get medical attention.
Ingestion	Consult a physician. Point out the high alkalinity of cement.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media not applicable

Extinguishing media which must not be used for safety reasons

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Protective equipment

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Provide adequate ventilation. Wear suitable protective clothing and dust mask.
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Environmental precautions

Do not discharge into drains and sewers because of high alkalinity.

Methods for cleaning up

Collect in a container and re-use. Soak up with sand or other suitable material and dispose as per 13.

7. HANDLING AND STORAGE

Handling

Avoid dust formation.

Avoid spilling, skin and eye contact. Observe industrial safety and hygiene practice.

Storage

Keep packaging tightly closed.

Store in a cool, dry place.

Protect against frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits values

TLV-TWA: 10 mg/m³OES-LTEL: 4 R / 10 I mg/m³MAK : 5 mg/m³ (calciumoxide) / MAK : 4 mg/m³ (quartz)MAC-TGG 8 h : 10 mg/m³GWBB - 8 h : 10 mg/m³

Exposure controls :

Occupational exposure controls

Provide adequate ventilation or air evacuation at workplace.

Environmental exposure controls

See chapter 13.

Personal protection :

Respiratory protection

dust mask (filter St)

Hand protection

rubber gloves

Eye protection

goggles or face shield

Skin and body protection

apron or light protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

powder

Colour

white

Odour

odourless

Density

not applicable

Bulk density

not applicable

pH

> 12 at 20 °C

Flash point

not applicable

Autoignition temperature

not applicable

Vapour pressure

not applicable

Water solubility

slightly soluble 20 °C

Viscosity

not applicable

Explosion limits :

- upper

not applicable

- lower

not applicable

Decomposition temperature

not applicable

Boiling point/range

not applicable

Other data

low Chromate - Cr-VI < 2 ppm

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10. STABILITY AND REACTIVITY

Conditions to avoid

Materials to avoid

Hazardous decomposition products

Mixing with water results in an alkaline suspension. Simultaneous hardening with emission of hydration heat occurs.

Avoid contact with acids and bases. , wet and humid areas.

Avoid contact with acids and bases.

None, under application conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity :

LD50 oral rat

LD50 dermal rat

LD50 dermal rabbit

LC50 inhalation rat

not determined

not determined

not determined

not determined

Acute effects/symptoms :

After eye contact

After skin contact

After inhalation

Cement and mortar dust irritate eyes and, by prolonged contact, the skin. Mixing with water results in an alkaline suspension that has an irritant effect on eyes and skin.

Irritating to eyes.

Irritating to skin.

Coughing

Irritating to respiratory system.

Irritating to mucous membranes

After ingestion

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

Chronic effects

May cause sensitisation by inhalation and skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Do not discharge into drains and sewers because of high alkalinity. Due to its alkalinity, this product is harmful to fish and other aquatic life forms.

13. DISPOSAL CONSIDERATIONS

Product

Re-use where possible. Dispose according to local regulations for construction materials.

Packaging

Dispose according to local regulations.

14. TRANSPORT INFORMATION

General

This product is not classified as dangerous in the meaning of transport regulations.

Road transport - ADR

Railway transport - RID

Sea transport - IMDG

Air transport - ICAO/IATA

15. REGULATORY INFORMATION

Labelling

Xi - Irritant

R-phrases)

R36/37/38 - Irritating to eyes, respiratory system and skin.

R41 - Risk of serious damage to eyes.

S-phrases)

S 2 - Keep out of reach of children.

S22 - Do not breathe dust.

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S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 - Wear suitable protective clothing, gloves, and eye/face protection.

S46 - If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Further information

None

Relevant changes

R-phrases of components

R14 - Reacts violently with water.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R37/38 - Irritating to respiratory system and skin.

R41 - Risk of serious damage to eyes.

Important Note

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.