



MATERIAL SAFETY DATA

EDITION: 6 DATE: 26-Jan-07

1. PRODUCT

NAME: **weber.tec mortar (certite mortar)**

Chemical Nature

A three-component pack comprising one can of liquid polyester resin (with characteristic sweet aromatic odour of styrene monomer), one bag of hardener containing benzoyl peroxide and fine fillers and one bag of graded silica sand containing some pigment.

Manufacturer

Weber

Saint-Gobain Weber Limited
Dickens House
Enterprise Way
Flitwick
Bedford.
MK45 5BY.

EMERGENCY TELEPHONE NUMBER. 08703 330070

2. COMPOSITION

Resin component:	Unsaturated polyester resin in styrene. Styrene (CAS No.100-42-5) approx 45% wt. EEC Symbol: Xn R Phrases: 10, 20, 36/38 & 43
Hardener component:	Powder containing silica flour (CAS No; 14808-60-7) and benzoyl peroxide (CAS No; 94-36-0). EEC Symbol: Xn R Phrases: 48/20, 36, 43 & 7
Filler component:	Contains fine graded silica sands and some pigment.

3. HAZARDS IDENTIFICATION

Resin Component

Harmful by inhalation.
Irritating to eyes and skin
May cause sensitisation by skin contact
Flammable
Flash Point 31oC.

Hardener Component

Harmful. Danger of serious damage to health by prolonged exposure.

Possible long-term irreversible effects from inhalation of respirable crystalline silica.
 Contains dibenzoyl peroxide. May produce allergic reaction.
 Irritating to eyes.
 May cause fire.

Filler Component

Essentially non-hazardous.

4. FIRST AID MEASURES

- SKIN CONTACT:** Wipe off excess with absorbent disposable paper towels. Wash with plenty of soap and water. Do not use organic solvents.
- EYE CONTACT:** Rinse immediately with water for at least 15 minutes. Seek medical attention immediately.
- INHALATION:** Move affected person to fresh air. If recovery not rapid seek medical attention.
- INGESTION:** Immediately rinse mouth repeatedly with water. If swallowing has occurred do not induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Suitable Extinguishers:

Carbon dioxide, Foam and Dry powder. Do not use water. Fire fighters should wear breathing apparatus.

Exposure hazards

Do not release product into drains, soil or surface water. Dispose of contaminated soil etc. according to local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin, eyes and clothing. Avoid breathing dust or vapours Avoid ignition sources.

Environmental Precautions

Prevent contamination of soil drains and surface water.

Methods for Cleaning

Take up with absorbent, dry inert material and place in a suitable and closable container for disposal by burning in an approved installation according to local regulations.

7. HANDLING AND STORAGE

Handling

Harmful by inhalation, sensitising. Avoid vapour formation and ignition sources. Avoid raising dust. Ensure good ventilation. Do not eat or drink in workplace.

Storage

Store away from food and drink. Store in original undamaged containers securely closed.

Store at room temperature away from direct sunlight. Keep away from sources of ignition. Keep away from oxidising materials. Keep away from heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical Protective Measures

No special measures required

Exposure Limits

Occupational Exposure Limits 8 hour TWA (According to EH40/00)

Resin: contains styrene, MEL 100ppm (420mg/m³)

Filler and hardener: Total inhalable dust 10 mg/m³
Respirable dust 4 mg/m³

Hardener: Dibenzoyl peroxide 5.0mg/m³.
Respirable silica crystalline dust MEL 0.3mg/m³.

Respiratory Protection

Not normally necessary. Work in well ventilated area. Wear suitable vapour mask if working in confined spaces. Wear dust mask if there is a risk of raising dust.

Hand Protection

Wear suitable gloves (solvent-proof).

Eye Protection

Wear suitable goggles or face protection. Contact lenses should not be worn.

Skin Protection

Wear impermeable overalls and closed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Resin Component

The resin is a low viscosity flammable liquid.

Flash Point: 31oC.
Boiling Point: approx 145oC
Auto-Ignition Temperature: 490oC
Vapour Pressure: 6.52mb (652N/m²) at 20oC (styrene)

Filler

A coarse powder containing sand.

Hardener

A fine off-white powder, containing benzoyl peroxide and silica flour.

10. STABILITY AND REACTIVITY

Stable under normal room temperature storage conditions avoid sunlight. Materials to avoid: Strong oxidising agents.

11. TOXICOLOGICAL INFORMATIONResin Component

Acute toxicity LD50: An oral LD50 in rats of 5g/kg has been reported for styrene.

LC50:

Inhalation in rats 12mg/litre/4hr (styrene)..

Skin Irritation: Irritating to skin.
 Eye irritation: Irritating to eyes.
 Inhalation: Harmful by inhalation. Concentrations above 100ppm may cause impairment of nervous system.

May cause sensitisation by skin contact.

Hardener Component

Possible long-term irreversible effects from inhalation of respirable crystalline silica.

Irritating to eyes.

May cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water. Styrene is harmful to aquatic organisms.

No other specific information available.

13. DISPOSAL CONSIDERATIONS

Incineration in approved installation. Contaminated packaging material should be disposed of identically to the product itself. For easy disposal any unmixed resin and hardener can be mixed and allowed to cure. Once fully cured Certite Mortar can be disposed of as normal household waste. Uncontaminated packaging material should be treated as household waste or can be recycled.

14. TRANSPORT INFORMATION

RID/ADR: Resin solution Class 3 Label 070.

IMDG-Code: Resin solution 1866 Class 3
 Label 070

ICAO/IATA :UN ID No 1866
 Marine Pollutant P
 Resin Solution Class 3
 Label 070 Packing group 3

Flash Point: 31oC.

15. REGULATORY INFORMATION

Resin Component

Symbols: Xn
 Contains: Styrene (CAS No; 100-42-5)

R Phrases:

R10: Flammable
 R20: Harmful by inhalation
 R36/38: Irritating to eyes and skin
 R43: May cause sensitisation by skin contact

S Phrases:

S2: Keep out of reach of children.
 S13: Keep away from food, drink and animal feeding stuffs.
 S23: Do not breathe vapour.
 S28: After contact with skin, wash immediately with plenty of soap and water.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
 S36/37/39: Wear suitable protective clothing gloves and eye/face protection.

Hardener Component

Symbols: Xn
 Contains: Benzoyl peroxide (CAS No; 94-36-0) and Silica flour (14808-60-7).
 Contains benzoyl peroxide. May produce an allergic reaction.

R Phrases:

R48/20: Harmful, danger of serious damage to health by prolonged exposure through inhalation.
 R36: Irritating to eyes
 R43: May cause sensitisation by skin contact.
 R7: May cause fire.

S Phrases:

S22: Do not breath dust.
 S24: Avoid contact with skin.
 S33: Take precautionary measures against static discharges.
 S3/7: Keep container tightly closed in a cool place.
 S14: Keep away from reducing agents (eg amines), acids, alkalis and Heavy metal compounds (eg accelerators, driers and metal soaps).
 S50: Do not mix with peroxide accelerators or reducing agents.
 S26: In case of contact with eyes, rinse immediately with plenty of water and andseek medical attention.
 S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

None

This safety sheet has been prepared in accordance with the provisions of the EC SDS Directive 91/155.