MATERIAL SAFETY DATA

EDITION: 8 DATE: 09-february 2007

1. PRODUCT

NAME: **weber.tec EP mortar** (epoxy plus mortar)

Chemical Nature

A three-component mortar based on a Bisphenol A/F epoxy resin, a hardener based on blended aliphatic polyamines and inert blended sands and fine fillers.

Manufacturer

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

EMERGENCY TELEPHONE NUMBER. 08703 330070

2. COMPOSITION

Resin component contains Bisphenol A/F Resin with Av. MW < 700 and benzyl alcohol (<10%) CAS No. 100-51-6. Contains epoxy constituents. See information supplied by the manufacturer.

EEC Symbol: Xi, N R Phrases: 36/38, 43, 51/53

Hardener component contains 1,2-Diaminocyclohexane (30-60%) CAS No. 694-83-7, meta xylene diamine (30-60%) CAS No. 1477-55-0 and benzyl alcohol (10-30%) CAS No. 100-51-6

EEC Symbol: C R Phrases: 20/22, 34, 42/43

Filler component contains fine inert powders containing small quantities of respirable silica dust and some hollow sphere silicaceous fillers.

3. HAZARDS IDENTIFICATION

Resin Component:
Irritating to eyes and skin
May cause sensitisation by skin contact
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Hardener Component
Harmful by inhalation and if swallowed
Causes burns
May cause sensitisation by inhalation and skin contact

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. In case of irritation to respiratory system or mucous membrane or if symptoms persist seek medical attention
INGESTION:	Immediately rinse mouth repeatedly with water. If swallowing has occurred the affected person should drink 500 -800ml. of water. Seek medical attention promptly

5.FIRE FIGHTING MEASURES

Suitable Extinguishers: Water mist, Carbon dioxide, Foam and Dry powder. Do not use high-pressure water jet extinguishers.

Exposure hazards

Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil 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 according to local regulations.

7. HANDLING AND STORAGE

Handling

Resin component: Irritant, sensitising. Hardener Component: corrosive, sensitising, harmful by inhalation and if swallowed. Avoid vapour formation and ignition sources. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical Protective Measures

No special measures required

Exposure Limits

Resin and Hardener None

Filler: Occupational Exposure Limits 8 hour TWA According to EH40/00

Total inhalable dust	10.0 mg/mm3
Respirable dust	4.0 mg/mm3
Respirable silica quartz dust	0.4 mg/mm3

Respiratory Protection

Not normally necessary. Work in well ventilated area. Wear suitable vapour mask if working in confined spaces.

Hand Protection

Wear suitable gloves.

Eye Protection

Wear suitable goggles or face protection.

Skin Protection

Wear overalls and closed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Both resin and hardener components are liquids. The filler is a fine powder. The Flash points of the resin and hardener components are in excess of 100oC. Filler component contains fine inert powders containing small quantities of respirable silica dust and some hollow sphere silicaceous fillers.

10. STABILITY AND REACTIVITY

Thermal Decomposition Temperature:	Above 200oC.
Materials to avoid:	Strong acids and alkalis and strong oxidizing agents.
Hazardous Decomposition Products:	If the materials are involved in a fire hazardous oxides of carbon or nitrogen or other hazardous vapours may be released.

11. TOXICOLOGICAL INFORMATION

Bisphenol F epichlorohydrin resin MW<700

LD50:	Oral 23800mg/kg (rat)
	Dermal >2000mg/kg (rabbit)

Benzyl alcohol

LD50:	Oral 1610mg/kg (rat)
	Dermal 2000mg/kg (rabbit)
LC50/4h	Inhalative >1000mg/l (rat)

m-xylylenediamine

LD50:	Oral 1040mg/kg (rat)
LC50/4h:	Inhalative 2400mg/l (rat)

Skin Sensitisation in Guinea pigs: Liquid constituents of both resin and hardener may cause sensitisation by skin contact.

Skin and Eye irritation tested on rabbits: The liquid constituent of resin component: Irratant.
The liquid constituent of hardener: Corrosive.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water. No other specific information available.

13. DISPOSAL CONSIDERATIONS

Incineration or landfill in accordance with local regulations. 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 Epoxy Plus Mortar can be disposed of as normal household waste. Uncontaminated packaging material should be treated as household waste or as recycling material.

14. TRANSPORT INFORMATION

<u>Resin Component:</u>

UN No.3082 Environmentally hazardous liquid n.o.s. (epoxy resin)
Class 9

<u>Hardener Component</u>:

RID/ADR:	Class 8
IMDG-Code:	Class 8
IATA:	Class 8

Flash Point: >100oC.
UN No.: 2735 Amines, corrosive, n.o.s. (1,2-diaminocycloheaxne/meta-xylene diamine)
Filler Component:
Classification for transport not required

15. REGULATORY INFORMATION

Resin Component

Symbol: Xi (Irritant) & N (Dangerous for the environment)
Contains: Biphenyl A epoxy resin with average MW <700, and benzyl alcohol (<10%) CAS No. 100-51-6. Contains epoxy constituents. See information supplied by the manufacturer.

R Phrases:
R36/38 Irritating to eyes and skin
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S Phrases:
S24 Avoid contact with skin
S28 After contact with skin, wash immediately with plenty of soap and water.
S37/39 Wear suitable gloves and eye/face protection.

Hardener Component

Symbol: C (Corrosive)
Contains: 1,2-Diaminocyclohexane (30-60%) CAS No. 694-83-7, meta xylene diamine (30-60%) CAS No. 1477-55-0 and benzyl alcohol (10-30%) CAS No. 100-51-6

R Phrases:
R20/22 Harmful by inhalation and if swallowed.
R34 Causes burns
R42/43 May cause sensitisation by inhalation and skin contact.

S Phrases:
S23 Do not breathe fumes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S28 After contact with skin, wash immediately with plenty of water
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you fell unwell, seek medical advice immediately
(show label where possible)
S63 In case of inhalation, remove casualty to fresh air and keep at rest

Filler Component:
Essentially non hazardous

16. OTHER INFORMATION

The information supplied by the manufacturer on epoxy constituents is contained within this data sheet.

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