



MATERIAL SAFETY DATA

EDITION: 5 DATE: DECEMBER 2004

1. PRODUCT

NAME: **weber.tec Ep pourable grout FG**
(epoxy plus pourable grout FG (fine grade))

Chemical Nature

A three-component pourable grout based on a Bisphenol A/F epoxy resin, blended aliphatic polyamine hardeners and a blended silica sands and inert fillers containing very small quantities of respirable silica

Manufacturer

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

EMERGENCY TELEPHONE NUMBER. 08703 330070

2. COMPOSITION

Resin component contains a mixture of bisphenol A and bisphenol F epichlorhydrin epoxy resins with Av. MW < 700, benzyl alcohol (<10%) CAS No. 100-51-6 and 1,6-hexanediol diglycidyl ether (<10%) CAS No. 16096-31-4. Contains epoxy constituents. See information supplied by the manufacturer

EEC Symbol: Xi

N R Phrases: 36/38, 43,51/53

Hardener component contains benzyl alcohol (10-30%) CAS No. 100-51-6, 1,2-cyclohexanediamine (30-60%) CAS No. 694-83-7 and 2-methyl-1,5-pentamethylenediamine (30-60%)

EEC Symbol: C R

Phrases: 21/22, 34, 42/43

Filler component contains silica sands and inert fillers containing very small quantities of respirable silica.

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

1 FIRST AID MEASURES

2 FIRE-FIGHTING 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

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 is irritant and sensitising. Hardener causes burns, may cause sensitisation by skin contact and is harmful by inhalation and if swallowed. Avoid vapour formation and ignition sources. Ensure good ventilation. Avoid raising dust. 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 Component:	EH40/00 Total	
	Dust Respirable	10mg/m ³
	Dust Respirable	4mg/m ³
	Silica Dust	0.3mg/m ³

Respiratory Protection

Not normally necessary. Work in well ventilated area.

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 low viscosity liquids with low vapour pressure at ambient temperature.

The flash points of both the resin and hardener components are in excess of 100 °C. Filler contains silica sands and inert fillers containing very small quantities of respirable silica

10. STABILITY AND REACTIVITY

Thermal Decomposition Temperature: Above 200°C.

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)

1,6-hexanediol diglycidyl ether

LD50:

Dermal

Oral 2900-8500mg/kg (rat)

>2000mg/kg (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: Irritant.

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 Pourable Grout Fine Grade can be disposed of as normal household waste. Uncontaminated packaging material should be treated as household waste or as recycling material.

14. TRANSPORT INFORMATION

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

Hardener Component:

RID/ADR: Class 8 UN No.: 2735 Amines, corrosive, liquid n.o.s.

(1,2-cyclohexanediamine/2-methyl-1,5-pentamethylenediamine) IMDG-Code: Class 8

IATA: Class 8 Flash Point: >100 °C.

Filler Component:

Classification for transport not required

15. REGULATORY INFORMATION

Resin Component

Symbol: Xi

Contains: Bisphenol A epoxy resin with average MW <700 and benzyl alcohol
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

S Phrases:

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

Contains contains benzyl alcohol (10-30%) CAS No. 100-51-6, 1,2-cyclohexanediamine (30-60%) CAS No. 694-83-7 and 2-methyl-1,5-pentamethylenediamine (30-60%)

R Phrases:

R20/21 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

S24/25 Avoid contact with skin and eyes

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.

S51 Use only in well ventilated areas

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the 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.