MATERIAL SAFETY DATA

EDITION: 3 DATE: February 2007

1. PRODUCT

NAME: **weber.tec EP TAG** (epoxy plus thixotropic anchor grout)

Chemical Nature

A three-component epoxy resin system based on a Bisphenol A/F epoxy resin, benzyl alcohol containing a small quantity very fine silicaceous fillers, a hardener based on a modified aliphatic polyamines and a filler containing inert blended fine sands and fine fillers including some silica flour

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 blend of liquid epoxy Bisphenol A resin Av. MW < 700 CAS No.25068-38-6 and liquid epoxy Bisphenol F resin CAS No.9003-36-5 (60-90%) C12 -C14 monoglycidyl ether CAS No. 68081-84-5 (<10%) and Benzyl alcohol CAS No. 100-51-6 (<10%). Contains epoxy constituents. See information supplied by the manufacturer.

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

Hardener component contains Trimethyl hexamethylene diamine CAS No. 25620-58-0 (30-60%) and Isophoronediamine CAS No. 2855-13-2 (30-60%)

EEC Symbol: C, N R Phrases: 21/22, 34, 43 & 50/53

Filler contains inert blended fine sands and fine fillers including some silica flour

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 on the aquatic environment

Hardener Component
Harmful in contact with skin, eyes and if swallowed.
Causes burns
May cause sensitisation by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects on the aquatic environment

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. Seek medical attention if any irritation persists.
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 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
Irritant, sensitising. 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/m3
Respirable dust:	4.0 mg/m3
Respirable silica quartz dust	0.4 mg/m3

Respiratory Protection
Not normally necessary. Work in well ventilated area. Wear suitable vapour mask if working in confined spaces (i.e. respiratory equipment with suitable filter or self-contained respiratory apparatus)

Hand Protection
Wear suitable gloves (nitrile rubber)

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 volatility at normal temperatures.

Colour:	water like – pale straw
Boiling Point:	>200oC
Flash point:	both components >100oC.
Ignition temperature:	both components > 400oC
Vapour pressure:	both components at 20oC. <2millibar (calculated)
Solubility:	Resin component: Insoluble water Hardener component: partially miscible with water.

The filler is inert blended fine sands and fine fillers including some silica flour

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 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)

Trimethylhexane-1,6-diamine (25620-58-0)
LD50: Oral 910mg/kg (rat)

Isophoronediamine (2855-13-2)
LD50: Oral 1303mg/kg (rat)
Dermal 1840mg/kg (rabbit)

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. (Refer to Section 15: R51/53 (resin) R50/53 (hardener)).

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 Thixotropic Anchor Grout 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
Packaging Group:	III
UN No.:	2735 Amines, corrosive, liquid n.o.s. (Isophoronediamine/trimethylhexamethylene diamine)
Flash Point:	>100oC.

Filler Component:
Classification for transport not required

15. REGULATORY INFORMATION

Resin Component

Symbol:	Xi (Irritant) & N (Dangerous for the environment)
Contains:	Bisphenol A/F epoxy resin with average MW <700, C12-C14 monoglycidyl ether and benzyl alcohol. 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 on 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) & N (Dangerous for the environment)
Contains:	Trimethyl hexamethylene diamine and isophoronediamine

R Phrases:

R21/22	Harmful in contact with skin, eyes and if swallowed.
R34	Causes burnsR43 May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects on the aquatic environment

S Phrases:

S24	Avoid contact with skin
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 feel unwell, seek medical advice immediately (show the label where possible)

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.