



MATERIAL SAFETY DATA

EDITION: 6 DATE: DECEMBER 2004

1. PRODUCT

NAME: **weber.tec EP structural adhesive** (epoxy plus structural adhesive)

Chemical Nature

A two-component paste adhesive based on a Bisphenol A/F epoxy resin, a modified aliphatic polyamine hardener

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 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 trimethylhexane-1,6-diamine (<10%) CAS No.25620-58-0

EEC Symbol: Xi R Phrases: 36/38, 43

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

Irritating to eyes and skin

May cause sensitisation by skin contact

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 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 is harmful if swallowed, causes burns and 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

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 pastes

The Flash points of the liquid content of both the resin and hardener components are in excess of 100°C.

10. STABILITY AND REACTIVITY

Thermal Decomposition Temperature:

Above 200°C.

Materials to avoid:

Strong acids and alkalis and strong oxidising agents

Hazardous Decomposition Products:

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)

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 Structural Adhesive 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 IMDG-Code: Class 8 IATA: Class 8 Packing group: III UN No.:
2327 trimethylhexamethylene diamine Flash Point: >100 °C.

15. REGULATORY INFORMATION

Resin Component

Symbol: Xi

Irritant Contains:

Contains a mixture of bisphenol A and bisphenol F epichlorhydrin epoxy resins with Av. 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 effect in the aquatic environment

S Phrases:

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
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: Trimethylhexane-1,6-diamine (<10%) CAS No.25620-58-0

R36/38 Irritating to eyes and skin
R43 May cause sensitisation by skin contact

S Phrases:

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 soap and water S37/39

Wear suitable gloves and eye/face protection.

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.