



## MATERIAL SAFETY DATA

EDITION: 6 DATE: March 2007

### 1. PRODUCT

NAME: **weber.tec EP coating** (hardac EP coating)

#### Chemical Nature

A two-component liquid coating on a Bisphenol A/F epoxy resin, a modified cycloaliphatic 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. 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 (30-50%) CAS No. 100-51-6  
Isophorone diamine (15-30%) CAS No. 2855-13-2  
m-xylylenediamine (5-15%) CAS No. 1477-55-0

EEC Symbol: C R Phrases: 20/21/22, 34, 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

Harmful by inhalation, in contact with skin and if swallowed  
Causes burns

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

Burning produces carbon and nitrogen oxides  
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 by inhalation, in contact with skin and 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.** In case of insufficient ventilation, wear appropriate respiratory equipment

### Hand Protection

Wear suitable gloves (rubber or plastic)

### Eye Protection

Wear suitable goggles or face protection

### Skin Protection

Wear overalls and closed footwear

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Resin is low viscosity liquid at ambient temperature and coloured. Hardener is similar in viscosity to water.

The Flash points of both the resin and hardener components are in excess of 100oC.

## 10. STABILITY AND REACTIVITY

Thermal Decomposition Temperature:	Above 200oC.
Materials to avoid:	Strong acids and alkalis and strong oxidising 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)

Isophoronediamine (2855-13-2)

LD50: Oral 1303mg/kg (rat)  
Dermal 1840mg/kg (rabbit)

m-xylylenediamine (1477-55-0)

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:

Resin component: Irritant. Hardener component: 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 Hardac E P Coating 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.: 2735 Amines, liquid corrosive n.o.s

Flash Point: (Isophorone diamine/ m-xylylenediamine)  
>100oC.

## 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: Benzyl alcohol (30-50%) CAS No. 100-51-6  
 Isophorone diamine (15-30%) CAS No. 2855-13-2  
 m-xylylenediamine (5-15%) CAS No. 1477-55-0

R Phrases:  
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 R34 Causes burns  
 R43 May cause sensitisation by skin contact

S Phrases:  
 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.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

## 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.