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**PRINT DATE:** 29/07/2002

# SAFETY DATA SHEET

REF: M2

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Cleartec-Base

**Supplier:** MMP-International, Division

of ITW Ltd.

Brunel Close, Park Farm

Ind Est,

Wellingborough, Northants,

NN8 6QX

**Emergency telephone number:** +44 (0) 1933 670870 **Fax No:** +44 (0) 1933 670800

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

| Chemical Name               | CAS-No         | EEC-No | Class           | Weight % |
|-----------------------------|----------------|--------|-----------------|----------|
| Bisphenol A/F Epoxy Resin   | 40216-08-<br>8 |        | Xi; R36/38, R43 | 30-60    |
| Hexanediol Diglycidyl Ether | 16096-31-<br>4 |        | Xi; R36/38, R43 | 20-40    |

#### 3. HAZARDS IDENTIFICATION

**Most important hazards:** Irritating to eyes and skin.

**Specific hazards**May cause sensitization by skin contact.

### 4. FIRST AID MEASURES

**General advice:** Show this safety data sheet to the doctor in attendance. Avoid contact with skin

and eyes.

**Inhalation:** Move to fresh air. Consult a physician after significant exposure.

**Skin contact:** Remove immediately adhering matter, Wash off immediately with soap and

plenty of water. If skin irritation persists, call a physician.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

Ingestion: Rinse mouth, Do not induce vomiting, Call a physician immediately. If a person

vomits when lying on his back, turn over on his side.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** dry powder, foam, Carbon Dioxide (CO 2)

Extinguishing media which must not be used for safety reasons:

High volume water jet.

**Specific hazards:** Burning produces irritant fumes.

**Special protective equipment for firefighters:** In case of fire, wear a self contained breathing

apparatus, protective suit

**Specific methods:** Standard procedure for chemical fires

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with the skin and the eyes. Use personal protective

equipment. Ensure adequate ventilation.

**Environmental precautions:** Do not contaminate water. Avoid subsoil penetration.

Methods for cleaning up: Dam up, Scrape up, Soak up with inert absorbent material, Transfer

to covered steel drums.

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#### 7. HANDLING AND STORAGE

**Handling:** Use only in well-ventilated areas. Keep away from heat and sources of ignition.

General industrial hygiene practice.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH -

EH40):

Bisphenol A/F Epoxy Resin Hexanediol Diglycidyl Ether

Engineering measures to reduce exposure

- **Respiratory protection:** No personal respiratory protective equipment normally required. In

case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Solvent-resistant gloves (butylrubber)
Eye protection: safety glasses with side-shields, goggles.

- **Skin and body protection:** Wear as appropriate.

**Hygiene measures:** Wash hands before breaks and immediately after handling the

product, Keep away from food, drink and animal feeding stuffs. Do

not smoke. General industrial hygiene practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid Colour: yellow-orange Odour: NA

g/I H2O)

**Boiling point/range:** >200 °C **Flash point:** >100 °C **Vapour pressure:** 1 m bar

# 10. STABILITY AND REACTIVITY

Stability: Stable

**Conditions to avoid:** Prolonged heating at temperatures above 50°C

Materials to avoid: strong acids and strong bases, and oxidizing agents (strong)

Hazardous decomposition products: carbon oxides, aldehydes.

# 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Epoxy constituents: LD50/oral/rat = 30g/Kg

LD50/dermal/rabbit = > 20 ml/Kg LC50/inhalation/4h/rat = fatality = 0

**Local effects:** Moderate skin irritation

**Sensitization:** May cause sensitization by skin contact.

Long term toxicity: Components of the product may be absorbed into the body by inhalation and

ingestion.. Repeated or prolonged skin contact may cause allergic reactions

with susceptible persons.

# 12. ECOLOGICAL INFORMATION

**Mobility:** Do not contaminate water. Do not let product enter drains.

### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Solidify unexposed surplus and dispose of together

with processed material as cured plastic waste - In accordance with local and national regulations

**Contaminated packaging:** In accordance with local and national regulations

**European waste Catalogue No:** 08 04 99

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# 14. TRANSPORT INFORMATION

**Proper shipping name:** Not classified as dangerous in the meaning of transport

regulations: UN, ADR/RID, IMO & IATA/ICAO.

#### 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: BISPHENOL A/F EPOXY RESIN

- Symbol(s):



Χi

**R -phrase(s):** R43 - May cause sensitization by skin contact. R36 - Irritating to eyes. R38 -

Irritating to skin.

S -phrase(s): S28 - After contact with skin, wash immediately with plenty of water. S37/39 - Wear

suitable gloves and eye/face protection.

# **16. OTHER INFORMATION**

Recommended use: Adhesives.

**Recommended restrictions:** 

When used in a mixture, read the labels and safety data sheets of all components.

**Revision date:** 12/07/2002

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication