

SAFETY DATA SHEET

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

Product name: **Repairite Liquid Metal 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-(EPICHLORHYDRIN) {REACTION PRODUCT}	25068-38-6	603-074-00-8	Xi; R36/38 R43	10-20
BPF EPOXY RESIN	55492-52-9		Xi: R36/38 R43	20-40
ALKYL GLYCIDYL ETHER	6809-98-2			1-5

3. HAZARDS IDENTIFICATION

Most important hazards: Moderate skin irritation.

Specific hazards Irritating to eyes and skin. 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 (CO₂)

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.

Product name: **Repairite Liquid Metal
Base**

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-(EPICHLORHYDRIN) (REACTION PRODUCT) no data available

BPF EPOXY RESIN

ALKYL GLYCIDYL 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: grey Odour: slight

g/l H₂O)

Boiling point/range: >200 °C

Flash point: >100 °C

Autoignition temperature: >100 °C

Explosive properties: Not applicable

Oxidizing properties: Not applicable

Relative density: - lower 2.10g/cm³ (20 °C)

Water solubility insoluble (20 °C)

Viscosity: (20 °C) 40,000

10. STABILITY AND REACTIVITY

Stability: Stable

Materials to avoid: amines, mercapton

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**

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-(EPICHLORHYDRIN) {REACTION PRODUCT}**

Water hazard class - None

- Symbol(s):



Xi

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:

Recommended restrictions:

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

Revision date: **16/07/2002**

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