

**SAFETY DATA SHEET**

METOFIX 31 (ALL SIZES)

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Issued: 28/04/2010

Revision No: 1

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

Product name: METOFIX 31 (ALL SIZES)
Product code: 10046
Company name: Chemfix Products Limited
Mill Street East
Dewsbury
West Yorkshire
WF12 9BQ
United Kingdom
Tel: +44 (0)1924 453886
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2. HAZARDS IDENTIFICATION

Classification under CHIP: 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.

Workplace exposure limit: This substance does not have a workplace exposure limit.

PBT: This substance is not identified as a PBT substance.

Directive 1999/45/EC: This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** TRIMETHYLHEXAMETHYLENEDIAMINE 3-10%
EINECS: 247-134-8 CAS: 25620-58-0
[Xn] R22; [C] R34; [Sens.] R43; [-] R52/53
- 1,6-HEXANDIOLDIGLYCIDYLETHER 1-3%
EINECS: 240-260-4 CAS: 16096-31-4
[Xi] R36/38; [Sens.] R43; [-] R52/53
 - BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 20-30%
EINECS: 500-033-5 CAS: 25068-38-6
[Xi] R36/38; [Sens.] R43; [N] R51/53
 - BISPHENOL F-(EPICHLORHYDRIN), EPOXY RESIN 10-20%
CAS: 28064-14-4
[Xi] R36/38; [Sens.] R43; [N] R51/53

4. FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Transfer to hospital if there are burns or symptoms of poisoning.

[cont...]

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Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

Exposure hazards: Corrosive. Harmful. In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of nitrogen oxides.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area.

Storage conditions: Store in cool, well ventilated area.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Colour: Grey

Odour: Characteristic odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Also soluble in: Most organic solvents.

Viscosity: Viscous

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Boiling point/range°C: >200

Flash point°C: >100

Relative density: 1.30

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Oxidising agents. Acids. Strong acids. Bases. Amines.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects: Irritating to eyes and skin.

Sensitisation: May cause sensitisation by skin contact.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact. Blistering may occur.

Eye contact: There may be severe pain. Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. There may be vomiting. Onset of symptoms may be delayed by a few hours.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Onset of symptoms may be delayed by a few hours.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water.

Persistence and degradability: Only slightly biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms.

PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Small quantities of the product can be mixed and allowed to cure, then can be disposed as solid waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 3077

ADR Class: 9

Packing group: III

Classification code: M7

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

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Labelling: 9+EHS

Hazard ID no: 90



IMDG / IMO

UN no: 3077

Class: 9

Packing group: III

EmS: F-A,S-F

Labelling: 9+EHS

IATA / ICAO

UN no: 3077

Class: 9

Packing group: III

Packing instructions: 911

Labelling: 9+EHS

15. REGULATORY INFORMATION (CHIP)

Hazard symbols: Irritant.

Dangerous for the environment.



Risk 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 in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Haz. ingredients (label): TRIMETHYLHEXAMETHYLENEDIAMINE; 1,6-HEXANDIOLDIGLYCIDYLETHER; BISPHENOL A-(EPICHLORHYDRIN) (REACTION PRODUCT); BISPHENOL F-(EPICHLORHYDRIN), EPOXY RESIN

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

* indicates text in the SDS which has changed since the last revision.

Risk phrases used in s.3: R22: Harmful if swallowed.

R34: Causes burns.

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R36/38: Irritating to eyes and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.