



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

Product name: METOBOND 1:1 (3KG, 10KG)
Company name: Chemfix Products Limited
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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: NONYLPHENOL 3-10%
 EINECS: 246-672-0 CAS: 25154-52-3
 [Xn] R62; [Xn] R63; [Xn] R22; [C] R34; [N] R50/53

- 2-PIPERAZIN-1-YLETHYLAMINE 1-3%
 EINECS: 205-411-0 CAS: 140-31-8
 [Xn] R21/22; [C] R34; [Sens.] R43; [-] R52/53
- 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE 1-3%
 EINECS: 220-666-8 CAS: 2855-13-2
 [Xn] R21/22; [C] R34; [Sens.] R43; [-] R52/53
- BENZYL ALCOHOL 1-3%
 EINECS: 202-859-9 CAS: 100-51-6
 [Xn] R20/22
- BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 10-20%
 EINECS: 500-033-5 CAS: 25068-38-6
 [Xi] R36/38; [Sens.] R43; [N] R51/53
- OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES 1-3%
 EINECS: 271-846-8 CAS: 68609-97-2
 [Xi] R38; [Sens.] R43

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- BISPHENOL F-(EPICHLORHYDRIN), EPOXY RESIN 1-3%
CAS: 28064-14-4
[Xi] R36/38; [Sens.] R43; [N] R51/53

4. FIRST AID MEASURES

- Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor. Transfer to hospital if there are burns or symptoms of poisoning.
- 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. If conscious, ensure the casualty sits or lies down. 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:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. Activator component = Corrosive. Harmful.
- 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:	Off white/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
Boiling point/range°C:	>200
Flash point°C:	>100

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Direct sunlight. Heat.
Materials to avoid:	Acids. Bases. Oxidising agents.
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:	Base component = There may be irritation and redness. Activator component = There may be severe pain. Corneal burns may occur. May cause permanent damage.
Ingestion:	Base component = There may be soreness and redness of the mouth and throat. Activator component = Corrosive burns may appear around the lips. There may be vomiting. Onset of symptoms may be delayed by a few hours.
Inhalation:	Base component = There may be irritation of the throat with a feeling of tightness in the chest. Activator component = 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. Heavier than 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.

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13. DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Small quantities of the product can be mixed and allowed to cure, then can be disposed as solid waste.

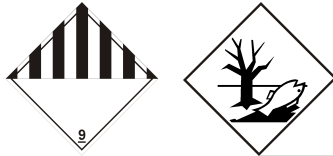
Disposal of packaging: Arrange for collection by specialised disposal company.

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.	
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.

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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): NONYLPHENOL; 2-PIPERAZIN-1-YLETHYLAMINE; 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE; BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}; OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES; 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.

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: R62: Possible risk of impaired fertility.
R63: Possible risk of harm to the unborn child.
R22: Harmful if swallowed.
R34: Causes burns.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R21/22: Harmful in contact with skin and if swallowed.
R43: May cause sensitisation by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R20/22: Harmful by inhalation and if swallowed.
R36/38: Irritating to eyes and skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R38: Irritating to skin.

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.