

SAFETY DATA SHEET

RESICON5 PURE EPOXY INJECTION RESIN

Page 1

Issued: 24/03/2005

Revision No: 1

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

Product name: RESICON5 - BASE MATERIAL
Product code : ANC465
Company name: Construction Fixings Limited
Bracewell Avenue
Poulton Business Park, Poulton-Le-Fylde
Lancashire FY6 8JF
United Kingdom
Tel: +44 1253 886677
Fax: +44 1253 893393

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BISPHENOL A/F - EPOXY RESIN 50-70%
[Xi] R36/38; [Sens.] R43; [N] R51/53

- 1,6-HEXANEDIOLGLYCIDYLETHER 1-10%
[Xi] R36/38; [Sens.] R43; [-] R52/53
- KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT <1%
EINECS: 265-149-8 CAS: 64742-47-8
[Xn] R65; [N] R51/53

3. HAZARDS IDENTIFICATION

Main hazards: 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.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
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: Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.
Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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: 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. Keep container tightly closed.

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: Respiratory protection not required.

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: Red

Odour: Barely perceptible 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

Relative density: 1.2

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Amines.

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

11. TOXICOLOGICAL INFORMATION

Chronic toxicity: May cause sensitisation by skin contact.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water. Heavier than water.

Persistence and degradability: Not biodegradable.

SAFETY DATA SHEET
RESICON5 PURE EPOXY INJECTION RESIN

13. DISPOSAL CONSIDERATIONS

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. (BISPHENOL A/F - EPOXY RESIN)
Labelling: 9 **Hazard ID no:** 90

**IMDG / IMO**

UN no: 3077 **Class:** 9
Packing group: III **EmS:** F-A,S-F
Marine pollutant: . **Labelling:** 9

IATA / ICAO

UN no: 3077 **Class:** 9
Packing group: III **Packing instructions:** 911
Labelling: 9

15. REGULATORY INFORMATION

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.
S29: Do not empty into drains.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

SAFETY DATA SHEET

RESICON5 PURE EPOXY INJECTION RESIN

Precautionary phrases: Contains epoxy constituents. See information supplied by the manufacturer.

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

Risk phrases used in s.2: 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.

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

R65: Harmful: may cause lung damage if swallowed.

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.

SAFETY DATA SHEET

RESICON5 PURE EPOXY INJECTION RESIN

Page 5

Issued: 23/06/2005

Revision No: 1

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

Product name: RESICON5 ACTIVATOR
Company name: Construction Fixings Limited
Bracewell Avenue
Poulton Business Park
Poulton-Le-Fylde
Lancashire FY6 8JF
United Kingdom
Tel: +44 1253 886677
Fax: +44 1253 893393

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PARATERTIARYBUTYLPHENOL 10-30%
[Xi] R36/37/38

- ALPHA, ALPHA-DIAMINO-M-XYLENE 10-30%
[Xn] R20/22; [C] R34; [Sens.] R43; [-] R52/53
- TRIMETHYLHEXAMETHYLENEDIAMINE 1-10%
[Xn] R22; [C] R34; [Sens.] R43; [-] R52/53
- 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 1-10%
EINECS: 202-013-9 CAS: 90-72-2
[Xn] R22; [Xi] R36/38

3. HAZARDS IDENTIFICATION

Main hazards: Causes burns. May cause sensitisation by skin contact.

4. FIRST AID MEASURES (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.

4. FIRST AID MEASURES (ACTION)

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.

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.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

Exposure hazards: Corrosive. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. 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: White

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

Relative density: 1.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Oxidising agents. Acids.

SAFETY DATA SHEET
RESICON5 PURE EPOXY INJECTION RESIN

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

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

ORL RAT LD50 1200 mg/kg

SKN RAT LD50 1280 mg/kg

Chronic toxicity: May cause sensitisation by skin contact.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water. Heavier than water.

Persistence and degradability: Only slightly biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

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: 3259	ADR Class: 8
Packing group: III	Classification code: C8
Shipping name: AMINES, SOLID, CORROSIVE, N.O.S. (ALPHA-DIAMINO-M-XYLENE)	
Labelling: 8	Hazard ID no: 80



IMDG / IMO

UN no: 3259	Class: 8
Packing group: III	EmS: F-A,S-B
Marine pollutant: .	Labelling: 8

IATA / ICAO

UN no: 3259	Class: 8
Packing group: III	Packing instructions: 822(P&CA); 823(CAO)
Labelling: 8	

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



SAFETY DATA SHEET
RESICON5 PURE EPOXY INJECTION RESIN

Risk phrases: R34: Causes burns.
R43: May cause sensitisation by skin contact.

Safety phrases: S1/2: Keep locked up and out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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 the label where possible).

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

Risk phrases used in s.2: R36/37/38: Irritating to eyes, respiratory system and skin.
R20/22: Harmful by inhalation and 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.
R22: Harmful if swallowed.
R36/38: Irritating to eyes and 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.