

SAFETY DATA

Issue 6 December 2004

SDS No 57

WATER BASED EPOXY COATING BASE COMPONENT

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

Product Name: Water Based Epoxy Coating
Use: Base component of two part epoxy resin paint system.
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Bisphenol-A-epichlorohydrin resin 50-60%.
CAS 25068-38-6 EEC Symbol Xi, R Phrases 36/38,43
Bisphenol-F-epichlorohydrin resin 20-50%.
CAS 28064-14-4 EEC Symbol Xi, R Phrase 36/38,43, 51/53
Aliphatic Glycidylether 10-30% CAS 68081-84-5
EEC Symbol Xi, R Phrases 36/38, 43, 51/53

3. HAZARDS IDENTIFICATION

Irritating to eyes and skin.
May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Eye Contact

Rinse immediately with water for at least 15 minutes.
Get medical attention urgently.

Skin Contact

Wash with soap and water or skin cleansing cream. Do not use organic solvents.

Inhalation

Move into fresh air.

Ingestion

Get medical attention. Give water to drink **DO NOT** induce vomiting. In case of spontaneous vomiting ensure vomit can drain freely to avoid suffocation.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water Mist, Foam, Carbon Dioxide, Dry Powder.

Unsuitable Extinguishing Media

High pressure water jet.

Exposure Hazards

Prevent contaminated water from entering drains, soil or surface water. Dispose of contaminated water and soil according to local and national regulations. Release of toxic fumes may occur. Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Do not breathe vapour. Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions

Prevent contamination of soil, drains and surface water.

Methods for Cleaning

Take up with absorbent inert material. Place in closable containers. Dispose of as waste.

7. HANDLING AND STORAGE

Handling

Irritant, sensitising. Do not breathe vapour. Avoid ignition sources. Ensure adequate ventilation. Do not eat, drink or smoke at work place.

Storage

Keep in original container. Keep dry and at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Protective Measures

No special measures required.

Occupational Exposure Limits

None assigned.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection

Wear suitable gloves (eg PVC).

Eye Protection

Wear suitable safety glasses to BSEN 166.

Skin Protection

Wear overalls and closed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point/Range: N/A
Boiling Point/Range: >150°C
Oxidising Properties: N/A
Autoflammability: >400°C
Solubility in Water: 11.6 mg/l@23°C
Vapour Pressure: 1Pa @ 20°C
Partition Coefficient: N/A
Explosive properties: N/A
Appearance: Colourless Liquid.
Odour: Slight Resinous
Density: 1.19g/cm³ @ 19°C
Flashpoint: >150°C
Ignition: N/A
pH value: N/A
Viscosity: 0.90 Pas @ 25°C

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10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Static charges
Materials to avoid:	Strong oxidising agents. Strong acids. Strong bases.
Hazardous Decomposition	
Products:	Thermal decomposition or burning may release oxides of carbon and other hazardous gases or vapours.

11. TOXICOLOGICAL INFORMATION

Health Effects

Eyes

Causes irritation.

Skin

Causes irritation.

Inhalation

Can cause respiratory irritation.

Ingestion

Causes irritation of mouth throat and digestive tract.

Chronic

Repeated skin contact can lead to skin disorders.

Other

Classified as a skin sensitizer.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water.

Mobility:	Mobile liquid.
Solubility:	Insoluble in water.
Persistence and Degradability:	Not expected to be biodegradable.
Bioaccumulative Potential:	Expected to be bioaccumulative.

13. DISPOSAL CONSIDERATIONS

Disposal must be carried out under guidance from local and national legislation.

Waste From Residues/Unused Product: Dispose of via a licensed waste contractor to a licensed disposal site.

Contaminated Packaging: Dispose of via a licensed waste contractor.

14. TRANSPORT INFORMATION

Not classified as Hazardous for Transport

15. REGULATORY INFORMATION

Symbol: Xi

Contains:

Bisphenol-A-epichlorohydrin resin 50-60%.

Bisphenol-F-epichlorohydrin resin 20-50%.

Aliphatic Glycidylether 10-30%

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:

S1/2: Keep locked up and out of the reach of children.

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S38: In case of insufficient ventilation wear suitable respiratory equipment.

S61: Avoid release to the environment. Refer to special instruction/Safety Data Sheet.

16. OTHER INFORMATION

These data sheets are given in connection with the product being used for the purposes outlined in the Product Technical Data Sheet, available from Tecroc Products Ltd on request. Use of the above product for other purposes may result in risks not given above.

If the product is to be used by a third party at work it is the duty of the initial recipient to ensure that the third party is supplied with the data given above.

Employers have the duty to inform employees and others who may be affected of any hazards given in the data above and any precautions that should be adopted.

Users of the product should undertake their own assessment of work place risks as required by the Health and Safety Legislation.

Further copies of this Safety Data Sheet are available from Tecroc Products Ltd.

Safety Data Sheet According to
Directive 91/155/EEC CHIP Regulations.

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SAFETY DATA

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WATER BASED EPOXY COATING HARDENER COMPONENT

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

Product Name Use Water Based Epoxy Coating Hardener component of two part water dispersed epoxy resin paint system.

Company Tecroc Products Ltd
Holly Lane Ind Est
Atherstone,
Warks, CV9 2RN

Telephone 01827 711755
Fax 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Water dispersion of **Tetraethylenepentamine**
EEC-Symbol Xi CAS Number 112-57-2. R Phrases
R36/37/38,R43

3. HAZARDS IDENTIFICATION

Harmful if swallowed.
Irritating to eyes, skin and digestive tract.

4. FIRST AID MEASURES

Eye Contact

Rinse immediately with water for at least 15 minutes. Get medical attention urgently.

Skin contact

Wash with soap and water or skin cleansing cream. Do not use organic solvents.

Inhalation

Move into fresh air. Seek medical advice.

Ingestion

Get medical attention urgently. **DO NOT** induce vomiting. In case of spontaneous vomiting ensure vomit can drain freely to avoid suffocation.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water Mist, Foam, Carbon Dioxide, Dry Powder.

Unsuitable Extinguishing Media

High Pressure Water Jet.

Exposure Hazards

Prevent contaminated water from entering drains, Soil or surface water. Dispose of contaminated Water and soil according to local and national Regulations. Release of toxic fumes may occur. Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Do not breathe vapour. Wear suitable protective clothing and eye/face protection.

Environmental Precautions

Prevent contamination of soil, drains and surface water.

Methods for Cleaning

Take up with absorbent inert material.
Place in closable containers. Dispose of as waste.

7. HANDLING AND STORAGE

Handling

Irritant, sensitising. Do not breathe vapour. Avoid skin and eye contact. Ensure adequate ventilation. Do not eat, drink and smoke at work place.

Storage

Keep in original container. Keep dry and at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Protective Measures

No special measures required.

Occupational Exposure Measures

None assigned.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection

Wear suitable gloves (eg PVC)

Eye Protection

Wear suitable safety glasses to BS 2092

Skin Protection

Wear overalls and closed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point/Range	N/A
Boiling Point/Range	>160°C
Oxidising Properties	N/A
Autoflammability	N/A
Solubility in Water	Miscible
Vapour Pressure	N/A
Partition Coefficient	N/A
Explosive Properties	N/A
Appearance	Pigmented Liquid.
Odour	Ammonia like.
Density	N/A
Flashpoint	>100°C
Ignition	N/A
pH Value	10
Viscosity	40 Pa.s @ 25°C

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10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Freezing conditions
Materials to avoid	Strong Acids, Strong Bases Strong Oxidising Agents
Hazardous Decomposition Products	Ammonia, oxides of nitrogen, oxides of carbon and other hazardous gases or vapours.

11. TOXICOLOGICAL INFORMATION

Health Effects.

Eyes

Severe irritation and burns.

Skin

Irritation and burns.

Inhalation

Respiratory irritation.

Ingestion

Causes irritation of the mouth, throat and digestive tract.

Chronic

Repeated skin contact may cause burns.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water.	
Mobility	Mobile liquid
Solubility	Miscible.
Persistence and Degradability	Not expected to be readily biodegradable.
Bio accumulative	Expected to be bio accumulative.

13. DISPOSAL CONSIDERATIONS

Disposal must be carried out under guidance from local and national legislation.

Waste from residues/Unused Product:

Dispose of via a licensed waste contractor to a Licensed disposal site.

Contaminated Packaging:

Dispose of via a licensed waste contractor.

14. TRANSPORT INFORMATION

Not classified as Hazardous for Transport

15. REGULATORY INFORMATION

Symbol Xi

Contains

Tetraethylenepentamine

Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.

Safety Phrases

S1/2 Keep locked up and out of the reach of children.
S28 After contact with skin wash immediately with plenty of soap and water.
S36/37/39 Wear suitable protective clothing, gloves and eye or face protection.
S38 In case of insufficient ventilation wear suitable respiratory equipment.
S61 Avoid release to the environment. Refer to special instructions/Safety Data Sheets.

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