

SAFETY DATA

SDS No 278

EPOXY

THIXOTROPIC

CRACK BONDER

BASE COMPONENT

Issue 3 December 2004

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

Product Name: Epoxy Thixotropic Crack Bonder (ETCB)
Use: Base component of three part thixotropic epoxy resin system.
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Thixotropic Filler. Not classified as hazardous.
Epoxy Resin. Average Molecular Weight <700.
CAS 25068-38-6 EEC Symbol Xi R Phrases 36/38,43,51/53 **Phenolformaldehyde polymer glycidylether** CAS 28064-14-4 EEC Symbol Xi R Phrases 36/38, 43, 51/53 **Oxirane** CAS 68081-84-5 EEC Symbol Xi R Phrases 36/38, 43.

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

Foam, Carbon Dioxide, Dry Powder, Water Spray.

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: N/A
Solubility in Water: Insoluble.
Vapour Pressure: 1Pa @ 20°C
Partition Coefficient: N/A
Explosive properties: N/A
Appearance: Light Paste.
Odour: Slight
Density: 1.2g/cm³ @ 20°C
Flashpoint: 138°C DIN51758
Ignition: N/A
pH value: N/A
Viscosity: Thixotropic.

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BASE COMPONENT

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10. STABILITY AND REACTIVITY

Stability:	Stable, thermal decomposition >200°C
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

Information used to assess health effects: LD50 acute oral toxicity in rats: 5000mg/kg. Eye irritation test on rabbits: Irritant. Skin irritation test on rabbits: Irritant. Skin sensitization on guinea pigs: Causes sensitization.

Health Effects

Eyes

Causes irritation.

Skin

May cause sensitisation.

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

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

RID/ADR : UN3082 CL9 PGIII

IMDG-Code UN3082 CL9 PGIII

IATA : UN3082 CL9 PGIII

Flashpoint : 138°C

15. REGULATORY INFORMATION

Symbol: Xi

Contains:

Epoxy resin average molecular weight <700.

Phenolformaldehyde Polymer Glycidylether. Oxirane

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.

S37/39 Wear suitable gloves and eye/face protection.

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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THIXOTROPIC

CRACK BONDER

FILLER COMPONENT

Issue 3 December 2004

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

Product Name Epoxy Thixotropic Crack
Bonder (ETCB)
Use Filler component of three part
thixotropic epoxy resin
system.
Company Tecroc Products Ltd
Holly Lane Ind Est
Atherstone,
Warks, CV9 2RN
Telephone 01827 711755
Fax 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Mixture of Calcium Carbonate and inert fillers and pigments. Not classified as hazardous.

3. HAZARDS IDENTIFICATION

Air born dust.

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 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

None required as not flammable.

Unsuitable Extinguishing Media

None required as not flammable

Exposure Hazards

None as not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

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

Environmental Precautions

Prevent contamination of soil, drains and surface water.

Methods for Cleaning

Take up material. Avoid air born dust. Place in closable containers. Dispose of as waste.

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Do not breathe dust. Avoid eye contact.

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

Amorphous Silica 8 Hour TWA; Limits Total Inhalable Dust OES 6.0mg/m³ Respirable Dust OES 2.4mg/m³.

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	N/A
Oxidising Properties	N/A
Autoflammability	N/A
Solubility in Water	Insoluble.
Vapour Pressure	N/A
Partition Coefficient	N/A
Explosive Properties	N/A
Appearance	Granular Powder
Odour	None
Density	Bulk Density 1.6 approx
Flashpoint	N/A
Ignition	N/A
pH Value	N/A
Viscosity	N/A

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FILLER COMPONENT

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10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Static Charges
Materials to avoid: None
Hazardous Decomposition Products: None.

11. TOXICOLOGICAL INFORMATION

Health Effects

Eyes

May causes irritation.

Skin

May causes irritation.

Inhalation

Can cause respiratory irritation.

Ingestion

May causes irritation of the mouth, throat and digestive tract.

Chronic

Respirable dust fraction, if inhaled over prolonged period, constitutes a health hazard. Such inhalation can give rise to fibrosis of the lung.

Other

None known.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water.

Mobility Granular powder

Solubility Insoluble in water.

Persistence and degradability Not applicable.

Bioaccumulative potential Not applicable

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 dangerous for transport.

15. REGULATORY INFORMATION

Not classified as dangerous for supply.

Risk Phrases

None

Safety Phrases

S1/2 Keep locked up and out of the reach of children. S22 Do not breathe dust. S28 After contact with skin wash with plenty of soap and water. S37/39 Wear suitable gloves and eye/face protection.

16. OTHER INFORMATION

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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 effected of any hazards given in the data above and any precautions which should be adopted.

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

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SAFETY DATA

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THIXOTROPIC

CRACK BONDER

HARDENER COMPONENT

Issue 3 December 2004

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

Product Name: Epoxy Thixotropic Crack Bonder (ETCB)
Use: Hardener component of three part thixotropic epoxy resin system.
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Modified Aliphatic Polyamine preparation.
Diethylenetriamine CAS 111-40-0 EEC Symbol C
Risk Phrases R21/22-34-43.
4,4'-Isopropylidenediphenol CAS 80-05-7 EEC
Symbol Xi Risk Phrases R36/37/38-43

3. HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed. Causes burns.
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. Avoid ignition sources.

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

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

Storage

Keep away from food and drink. 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

Diethylenetriamine 8 Hour TWA; OEL 4.3mg/m³.

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: >200°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: Clear Liquid
Odour: Smell of ammonia
Density: 1.025gram per cc @ 25°C
Flashpoint: 102°C DIN 51758
Ignition: N/A
pH value: c/a13, 1:1 aq
Viscosity: 220 mPas @ 25°C.

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HARDENER COMPONENT

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10. STABILITY AND REACTIVITY

Stability:	Stable, thermal decomposition >200°C
Conditions to avoid:	Static discharges
Materials to avoid:	Strong oxidising agents. Strong acids. Strong bases.
Hazardous Decomposition Products:	Ammonia, oxides of nitrogen, oxides of carbon and other hazardous gases or vapours.

11. TOXICOLOGICAL INFORMATION

Information used to assess health effects: LD50 acute oral toxicity in rats: 2300mg/kg. Eye irritation test on rabbits: Corrosive. Skin irritation test on rabbits: Corrosive. Skin sensitization on guinea pigs: Causes sensitization.

Health Effects

Eyes

Irritant.

Skin

Irritant.

Inhalation

Respiratory irritation.

Ingestion

Severe damage to mouth, throat and digestive tract.

Chronic

Repeated skin contact cause burns.

Other

Classified as corrosive.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water.

Mobility:	Mobile liquid.
Solubility:	Miscible with 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

Proper shipping name:	Amines liquid. Corrosive n.o.s.
RID/ADR :	UN2735 CL8 PGIII
IMDG-Code	UN2735 CL8 PGIII
ICAO :	UN2735 CL8 PGIII
Flashpoint :	102°C DIN 51758

15. REGULATORY INFORMATION

Symbol: C

Contains:

Diethylenetriamine

Risk Phrases:

R21/22 Harmful in contact with skin and if swallowed.
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.
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.

16. OTHER INFORMATION

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