

SAFETY DATA

SDS No 290

E20 EPOXY GROUT

BASE COMPONENT

Issue 3 December 2004

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

Product Name: E20 Epoxy Grout
Use: Base component of three part epoxy resin grout.
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

A/F Epoxy Resin. Average Molecular Weight <700.
CAS 25068-38-6 EEC Symbol Xi R Phrases 36/38,43,53
Oxirane, Mono [(C10-16-Alkyloxy) methyl] Derivs
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.
May cause long term adverse effects in the aquatic environment.

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: 200°C
Solubility in Water: Not miscible.
Vapour Pressure: <0.1 mbar @ 20°C
Partition Coefficient: N/A
Explosive properties: N/A
Appearance: Pale Yellow Liquid
Odour: Slight Resinous.
Density: 1.12g/cm³ @ 25°C
Flashpoint: >138°C DIN51758
Ignition: Combustible in fire conditions.
pH value: N/A
Viscosity: 0.9 Pa.s @ 25°C.

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Warwickshire
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Fax: 01827 711330

Irish Distributor
Construction Chemical Supplies
Unit 219
JFK Road JFK Industrial Est
Dublin 12
Tel: 00 353 1 450 3896
Fax: 00 353 1 450 3298

Web site: www.tecroc.co.uk

E-mail: enquiries@tecroc.co.uk

E20 EPOXY GROUT BASE COMPONENT

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

Causes irritation and sensitization.

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	:	UN 3082	CL9	PGIII
IMDG-Code	:	UN 3082	CL9	PGIII
IATA	:	UN 3082	CL9	PGIII
Flashpoint	:	138°C		

15. REGULATORY INFORMATION

Symbol: Xi

Contains:

A/F Epoxy Resin.

Oxirane, Mono [(C10-16-Alkyloxy) methyl] Derivs.

Risk Phrases:

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R53 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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Atherstone
Warwickshire
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E20 EPOXY GROUT FILLER COMPONENT

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

Product Name E20 Epoxy Grout.
Use Filler component of three part epoxy resin grout.
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 silica sands, 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. If irritation persists get medical attention.

Skin contact

Wash with soap and water.

Inhalation

Move into fresh air.

Ingestion

Wash mouth with plenty of water. **DO NOT** induce vomiting. In case of spontaneous vomiting ensure vomit can drain freely to avoid suffocation. Seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

None required as not flammable.

Exposure Hazards

None as not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

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 and avoid eye contact.

Storage

Keep in original container. Keep dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Protective Measures

No special measures required.

Occupational Exposure Measures

Amorphous Silica 8Hour TWA; Total inhalable dust OES 6mg/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	Grey coloured 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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E20 EPOXY GROUT FILLER COMPONENT

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Static discharges
Materials to avoid	None known
Hazardous Decomposition Products	None known

11. TOXICOLOGICAL INFORMATION

Health Effects

Eyes

Can cause irritation.

Skin

Can cause irritation.

Inhalation

Can cause respiratory irritation.

Ingestion

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

Chronic

Respirable dust fraction, if inhaled over a 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.
Persistence and Degradability	Not applicable.
Bioaccumulative Potential	Not applicable.

13. DISPOSAL CONSIDERATIONS

For large quantities disposal must be carried out under guidance from local and national legislation. Small quantities can be disposed of as common waste via a licensed waste contractor.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport

15. REGULATORY INFORMATION

Risk Phrases

None

Safety Phrases

S1/2 Keep locked up and out of the reach of children. S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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 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.

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

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

E20 EPOXY GROUT HARDENER COMPONENT

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

Product Name: E20 Epoxy Grout
Use: Hardener component of three part epoxy resin grout.
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 contains:
Diethylenetriamine CAS 111-40-0 EEC Symbol C
R Phrases 21/22,34,43: **Benzyl Alcohol** CAS 100-51-6
EEC Symbol Xn R Phrase 20/22

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. 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, 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

Causes burns, sensitising. Harmful. 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

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: 191°C
Oxidising Properties: N/A
Autoflammability: N/A
Solubility in Water: Partly Soluble @ 20°C
Vapour Pressure: 100 Pa @ 20°C
Partition Coefficient: N/A
Explosive properties: N/A
Appearance: Liquid
Odour: Smell of ammonia
Density: c/a 1 gram per cc @ 25°C
Flashpoint: c/a 113°C DIN 51758
Ignition: N/A
pH value: N/A
Viscosity: 40-80 mPas @ 25°C.

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E20 EPOXY GROUT HARDENER COMPONENT

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 toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

Information used to assess health effects: LD50 acute oral toxicity in rats: 2000mg/kg. Eye irritation test on rabbits: Corrosive. Skin irritation test on rabbits: Corrosive. Skin sensitization on guinea pigs: Causes sensitization.

Health Effects

Eyes

Severe irritation and burns.

Skin

Causes irritation and burns.

Inhalation

Respiratory irritation.

Ingestion

Severe damage to mouth throat and digestive tract.

Chronic

Repeated skin contact can 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:	Corrosive Liquid n.o.s.
RID/ADR :	UN 1760 CL 8 PGIII
IMDG-Code :	UN 1760 CL 8 PGIII
ICAO :	UN 1760 CL 8 PGIII
Flashpoint :	c/a 113°C DIN 51758

15. REGULATORY INFORMATION

Symbol: C

Contains:

Diethylenetriamine and Benzyl Alcohol.

Risk Phrases:

R34 Causes burns. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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.

16. OTHER INFORMATION

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