

SAFETY DATA

Issue 4 December 2004

SDS No 157

EPOXY PUTTY BASE COMPONENT

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

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

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Epoxy Resin. Average Molecular Weight <700.
CAS 25068-38-6 EEC Symbol Xi R Phrases 36/38,43
Cresyl Glycidyl Ether CAS 26447-14-3
EEC Symbol Xi R Phrase 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

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: >200°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: Clear Liquid.
Odour: Slight
Density: 1.15g/cm³ @ 20°C
Flashpoint: 138°C DIN51758
Ignition: N/A
pH value: N/A
Viscosity: 500-600 mPas @ 25°C.

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SAFETY DATA

SDS No 157

EPOXY PUTTY

BASE COMPONENT

Issue 4 December 2004

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.

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.
Cresyl Glycidile Ether.

Risk Phrases:

R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.

Safety Phrases:

S1/2: Keep locked up and out of the reach of children.
S23 Do not breathe vapour. 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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EPOXY PUTTY FILLER COMPONENT

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

Product Name Epoxy Putty
Use Filler component of three part epoxy resin putty.
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	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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EPOXY PUTTY 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 hazardous for shipping.

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.

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SAFETY DATA

Issue 5 December 2004

SDS No 155

EPOXY PUTTY HARDENER COMPONENT

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

Product Name: Epoxy Putty E Fine Grade
Use: Hardener component of three part epoxy resin primer.
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Diethylenetriamine CAS 111-40-0 EEC Symbol C Risk Phrases R21/22-34-43. **Benzyl Alcohol** CAS 100-51-6 EEC Symbol Xn R Phrases 20/22 **4,4' Diaminodiphenylmethane** CAS 101-77-9 EEC-Symbol T Risk Phrases R45-20/21/22-48/20/24-43 **Dibutyl phthalate** CAS 84-74-2 EEC-Symbol Xn, N Risk phrases R62-63-51/53 **Xylene** CAS 1330-20-7 EEC Symbol Xn Risk Phrases R10-20/21-38

3. HAZARDS IDENTIFICATION

May cause cancer. Harmful if swallowed. May cause sensitisation by skin contact. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

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. In case of unconsciousness rest in stable lateral position. In case of asphyxia initiate artificial respiration immediately. Get medical attention immediately.

Ingestion

Get medical attention. Give 0.5-0.8 litres of 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

Harmful. Do not breathe vapour. Avoid skin and eye contact. 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

Ensure that no vapour is released eg by use of enclosed equipment.

Occupational Exposure Limits

DDM 8 Hour TWA; MEL 0.08mg/m³. Xylene 8 Hour TWA; OES 435mg/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.

This substance is subject to the requirements of EC-Directive 90/394/EEC "Protection of workers from the risks related to exposure to carcinogens at work". Local regulations concerning exposure limits and monitoring should be observed.

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:	Partly Soluble @ 20°C
Vapour Pressure:	N/A
Partition Coefficient:	N/A
Explosive properties:	N/A
Appearance:	Brown Liquid
Odour:	Smell of ammonia
Density:	c/a 1 gram per cc @ 25°C
Flashpoint:	> 55°C
Ignition:	N/A
pH value:	N/A
Viscosity:	8000 mPas @ 25°C.

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SAFETY DATA

SDS No 155

EPOXY PUTTY

HARDENER COMPONENT

Issue 5 December 2004

10. STABILITY AND REACTIVITY

Stability:	Stable, thermal decomposition >140°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: 1800mg/kg. Eye irritation test on rabbits: Non irritant. Skin irritation test on rabbits: Non irritant. Skin sensitization on guinea pigs: Causes sensitization.

Health Effects

Eyes

May cause irritation and burns.

Skin

May causes irritation and burns.

Inhalation

Respiratory irritation.

Ingestion

Severe damage to mouth, throat and digestive tract.

Chronic

Repeated skin contact cause burns.

Other

Classified as toxic.

Based on results of studies on rodents 4,4'-DDM CAS 101-77-9 has been shown to be an animal carcinogen. However no such effects have been observed in man through the industrial use of DDM or products containing it over the past 30 years. If absorbed into the body by ingestion or by contact with the skin r eyes it may cause damage to the liver kidney and eyes, especially from excessive exposure or misuse. It can also cause skin sensitisation. This substance has proved to have a weak mutagenic effect on bacteria.

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	CL8	PGIII
IMDG-Code :	UN 1760	CL8	PGIII
ICAO :	UN 1760	CL8	PGIII
Flashpoint :	UN 1760	CL8	PGIII

15. REGULATORY INFORMATION

Symbol: T

Contains:

Diethylenetriamine and Benzyl Alcohol

Risk Phrases:

R20/22 Harmful by inhalation and if swallowed.

R43 May cause sensitisation by skin contact. R45 May cause cancer R48/21 Harmful: Danger of serious damage to health by prolonged exposure in contact with skin.R62 Possible risk of impaired fertility. R63 Possible risk of harm to the unborn child.

Safety Phrases:

S1/2: Keep locked up and out of the reach of children. S16 Keep away from sources of ignition – No smoking.

S45 In case of accident or if you feel unwell, seek medical advice immediately. (show the label where possible)

S53 Avoid exposure – obtain special instructions before use.

16. OTHER INFORMATION

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