

SAFETY DATA

Issue 5 December 2004

SDS No 137

TECGRIP CAS

CARTRIDGE ANCHOR SYSTEM BASE COMPONENT

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

Product Name: Tecgrip CAS
Cartridge Anchoring System
Use: Base for polyester resin anchor grout
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Mixture of inert fillers not classified as hazardous
Styrene (< 20%) CAS 100-42-5. EEC Symbol Xn
R Phrases: R10, 20, 36/38
Polyester resin EEC symbol Xi. R phrases 36/38, 43.

3. HAZARDS IDENTIFICATION

Flammable.
Harmful to eyes, respiratory system and skin.
Marine pollutant

4. FIRST AID MEASURES

Eye Contact

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

Skin Contact

Wash with soap and water or skin cleansing cream.

Inhalation

Move into fresh air. In case of unconsciousness rest in a stable lateral position. Get medical attention immediately.

Ingestion

Get medical attention urgently. Give 0.5-0.8 litres of water **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.

Unsuitable Extinguishing Media

High-pressure water jet, Halones

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 material into closable containers. Dispose of as waste.

7. HANDLING AND STORAGE

Handling

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

Styrene 8 hour TWA; MEL 430mg/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: None
Auto flammability: 490°C
Solubility in Water: Insoluble
Vapour Pressure: 6.52 mb at 20°C (Styrene)
Partition Coefficient: N/A
Explosive properties: Lower limit 1.1% Upper limit 6.1%
Appearance: Thick coloured paste.
Odour: Styrene
Density: Specific gravity 1.6
Flashpoint: 31°C
Ignition: Flammable
pH value: N/A
Viscosity: N/A

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CARTRIDGE ANCHOR SYSTEM BASE COMPONENT

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Conditions to avoid:	Sources of ignition. Static discharges. Contact with strong oxidising agents and peroxides.
Materials to avoid:	Contact with strong oxidising agents and peroxides.
Hazardous Decomposition Products:	Oxides of carbon, smoke or other hazardous gases or vapours.

11. TOXICOLOGICAL INFORMATION

Health Effects

Eyes

Causes severe irritation.

Skin

May cause moderate irritation.

Inhalation

Causes respiratory irritation. Can induce drowsiness and eventual unconsciousness.

Ingestion

May cause irritation to mouth, throat and digestive tract.

Other

None known.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water.

Mobility:	Paste.
Solubility:	Insoluble.
Persistence and Degradability:	Not expected to be readily biodegradable.
Bio accumulative Potential:	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

Proper shipping name:	Resin Solution
RID/ADR :	UN 1866 CL3 PGIII
IMDG-Code :	UN 1866 CL3 PGIII
ICAO :	UN 1866 CL3 PGIII

15. REGULATORY INFORMATION

Symbol: Xn, flammable

Contains:

Polyester resin in styrene

Risk Phrases:

R10 flammable, R20 harmful by inhalation, R36/38 irritating to eyes and skin.

Safety Phrases:

S1/2 Keep locked up and out of the reach of children. S3/7/9 keep container tightly closed in a cool well ventilated area. S23 do not breathe vapour. S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice. S36/37/38 wear suitable protective clothing, 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

Issue 4 December 2004

SDS No 136

TECGRIP CAS

CARTRIDGE ANCHOR SYSTEM HARDENER COMPONENT

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

Product Name: Tecgrip CAS
Cartridge Anchoring System
Use: Hardener for polyester resin
anchor grout
Company: Tecroc Products Limited
Holly Lane Industrial Estate
Atherstone,
Warks, CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Mixture of inert fillers not classified as hazardous
Dibenzoyl Peroxide (< 18%) in phthalate plasticiser
CAS 94-36-0. EEC Symbol Xi
R Phrases: R7, 36/37/38,43

3. HAZARDS IDENTIFICATION

Flammable.
Harmful to eyes, respiratory system and skin.

4. FIRST AID MEASURES

Eye Contact

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

Skin Contact

Wash with soap and water or skin cleansing cream.

Inhalation

Move into fresh air. In case of unconsciousness rest in
a stable lateral position. Get medical attention
immediately.

Ingestion

Get medical attention urgently. Give 0.5-0.8 litres of
water **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, Halones

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 material into closable containers. Dispose of as
waste.

7. HANDLING AND STORAGE

Handling

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 applicable to paste.

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: Oxidising agent < 18%
Auto flammability: >380°C
Solubility in Water: Partly Soluble
Vapour Pressure: N/A
Partition Coefficient: N/A
Explosive properties: None
Appearance: White smooth paste
Odour: Faint, Sweet
Density: Specific gravity 1.6
Flashpoint: >50°C
Ignition: Will support combustion in
fire conditions
pH value: Slightly acidic
Viscosity: N/A

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CARTRIDGE ANCHOR SYSTEM HARDENER COMPONENT

10. STABILITY AND REACTIVITY

Stability:	Will decompose if heated or if in contact with non-compatible substances
Conditions to avoid:	Static discharges
Materials to avoid:	Contact with acids, alkalis, heavy metals and reducing agents
Hazardous Decomposition Products:	None significant from Benzoyl Peroxide at less than 2%.

11. TOXICOLOGICAL INFORMATION

Health Effects

Eyes

May cause irritation.

Skin

May cause irritation.

Inhalation

Not applicable to paste.

Ingestion

May cause irritation to mouth, throat and digestive tract.

Other

None known.

12. ECOLOGICAL INFORMATION

Prevent contamination of soil, drains or surface water.

Mobility:	Paste.
Solubility:	Partly soluble.
Persistence and Degradability:	Readily biodegradable.
Bio accumulative Potential:	Not thought 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

UN No	:	UN 3108
RID/ADR	:	CL 5.2 No 8b
IMDG-Code	:	CL 3.2, 3.3 pa 5228
PSN	:	Organic Peroxide type E

15. REGULATORY INFORMATION

Symbol: Oxidising- irritant

Contains:

Benzoyl peroxide <15%

Risk Phrases:

R7 May cause fire. 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. S3/7/9 keep container tightly closed in a cool well ventilated area. S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice. S36/37/38 wear suitable protective clothing, gloves and eye/face protection.

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