

SAFETY DATA

SDS No 246

POLYESTER CONCRETE BASE COMPONENT

Issue 4 December 2004

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

Product Name Polyester Concrete
Use Base component of polyester
resin rapid setting concrete.
Company Tecroc Products Ltd
Holly Lane Ind Est
Atherstone,
Warks, CV9 2RN
Telephone 01827 711755
Fax 01827 711330

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Polyester Resin EEC – symbol Xi R Phrases 36/38, 43
Styrene Monomer EEC – symbol Xn R
Phrases 10,20, 36/38

3. HAZARDS IDENTIFICATION

Flammable, Harmful by inhalation, 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 – do not use organic solvents.

Inhalation

Move into fresh air. Seek medical advice

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 urgently.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water Mist, Foam, Carbon Dioxide, Dry Powder

Unsuitable Extinguishing Media

High pressure water jets.

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, 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. Store in accordance with Highly Flammable Liquids and Liquefied Gases Regulations 1972.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Protective Measures

No special measures required.

Occupational Exposure Measures

Styrene 8Hour 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	145°C
Oxidising Properties	N/A
Autoflammability	485°C
Solubility in Water	Insoluble
Vapour Pressure	6.2 mbar (styrene)
Partition Coefficient	N/A
Explosive Properties	Explosive limits 1.1-6.1% (styrene)
Appearance	Coloured Liquid
Odour	Irritant penetrating odour
Density	1.05 @ 20°C
Flashpoint	31°C
Ignition	Flammable
pH Value	N/A
Viscosity	0.763 Ps @ 20°C

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10. STABILITY AND REACTIVITY

Stability	Stable under temperate storage conditions
Conditions to avoid	Sources of ignition Static charges.
Materials to avoid	Strong bases, strong Oxidising agents, copper
Hazardous Decomposition Products	Thermal decomposition or burning may release oxides of carbon and other hazardous gases or vapours.

11. TOXICOLOGICAL INFORMATION

Toxicological information not available. Well known health effects are available industrially.

Health Effects

Eyes

Can cause irritation.

Skin

Causes moderate to severe irritation. Repeated contact can cause sensitisation and dermatitis.

Inhalation

Causes respiratory irritation. Can cause nausea and possible narcosis.

Ingestion

Causes irritation of the mouth, throat and digestive tract.

Chronic

Repeated exposure may lead to tiredness and prolonged reaction time.

Other

None known.

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 readily 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 products must be disposed of via a licensed waste contractor to a licensed disposal site. Contaminated Packaging must be disposed 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
Flashpoint 31°C

15. REGULATORY INFORMATION

Symbol Xn

Contains

Styrene monomer

Risk Phrases

R10 Flammable. R20 Harmful by inhalation. 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.

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.

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SAFETY DATA

Issue 3 December 2004

SDS No 247

POLYESTER CONCRETE

CATALYSED FILLER COMPONENT

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

Product Name Polyester Concrete
Use Hardener & filler component of polyester resin rapid setting concrete.
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.
Dibenzoyl peroxide 20% with inert filler (content 2% max) Cas 94-36-0 EEC symbol Xi R Phrases 36/37/38,43

3. HAZARDS IDENTIFICATION

Air born dust.

4. FIRST AID MEASURES

Eye Contact

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

Skin contact

Wash with soap and water or skin cleansing cream

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.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water Mist, Foam, Carbon Dioxide, Dry Powder

Unsuitable Extinguishing Media

High pressure water jets.

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

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.

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 8 hour Twa; total inhalable dust Oes 6.0mg/M_ Respirable Dust Oes 2.4mg/M_

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 less than 2%
Autoflammability	>380°C
Solubility in Water	Insoluble
Vapour Pressure	N/A
Partition Coefficient	N/A
Explosive Properties	N/A
Appearance	Coloured Granular Powder
Odour	Slight, Sweet
Density	Bulk Density 1.6 appx
Flashpoint	N/A
Ignition	N/A
pH Value	N/A
Viscosity	N/A

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10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Static discharges.
Hazardous Decomposition Products	None expected from Benzoyl Peroxide at less than 2%

11. TOXICOLOGICAL INFORMATION

Information used to assess health effects based on Dibenzoyl Peroxide 78% in water from Benzoyl peroxide at less than 2%. Acute Toxicity:- Oral Ld50 Rat:> 5000mg/Kg Inhalation Lc50 Rat:> 24.3mg/L 4 hour exposure – Maximum attainable concentration.

Health Effects

Eyes

Can cause irritation.

Skin

Can cause irritation.

Inhalation

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	Granual Powder
Solubility	Insoluble.
Persistence and Degradability	Readily biodegradable
Bioaccumulative potential	Closed bottle test Not thought to be Bioaccumulative.

13. DISPOSAL CONSIDERATIONS

Disposal must be carried out under guidance from local and national legislation. Waste from residues/unused products must be disposed of via a licensed waste contractor to a licensed disposal site. Contaminated Packaging must be disposed of via a licensed waste contractor.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

15. REGULATORY INFORMATION

Symbol N/A

Contains

Benzoyl Peroxide at less than 2%

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. 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, eye and face protection.

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