

SAFETY DATA SHEET

STUDMARC SUPERBOND EPOXY ACRYLATE STYRENE FREE RESIN ANCHOR

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Compilation date: 31/07/2020

Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: STUDMARC SUPERBOND EPOXY ACRYLATE STYRENE FREE RESIN ANCHOR

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: A Chemical anchoring application

1.3. Details of the supplier of the safety data sheet

Company name: Landmark Street Furniture Ltd

Trefeglwys Road,

Caersws, Powys

SY17 5HH

Tel: 01686 689 198

Email: info@landmarkstreetfurniture.com

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Skin Sens. 1: H317

Most important adverse effects: May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash skin thoroughly after handling.

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

[cont...]

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Haz. ingredients (label): VINYL TOLUENE; 2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE; METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL; DIBENZOYL PEROXIDE

2.3. Other hazards

Other hazards: Not applicable.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

VINYL TOLUENE - REACH registered number(s): 01-21196222074-50-0000

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|-----------|--|---------|
| 246-562-2 | 25013-15-4 | - | Acute Tox. 4: H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 | < 10% |

2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE - REACH registered number(s): 01-2119969287-21

| | | | | |
|-----------|----------|---|--------------------|-------|
| 203-652-6 | 109-16-0 | - | Skin Sens. 1: H317 | 3-10% |
|-----------|----------|---|--------------------|-------|

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL - REACH registered number(s): 01-2119490226-37

| | | | | |
|-----------|------------|---|--|-------|
| 248-666-3 | 27813-02-1 | - | Eye Irrit. 2: H319; Skin Sens. 1: H317 | 3-10% |
|-----------|------------|---|--|-------|

DIBENZOYL PEROXIDE - REACH registered number(s): 01-2119511472-50-XXXX

| | | | | |
|-----------|---------|---|--|------|
| 202-327-6 | 94-36-0 | - | Skin Sens. 1: H317; Org. Perox. B: H241; Eye Irrit. 2: H319 | 1-3% |
|-----------|---------|---|--|------|

1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL - REACH registered number(s): 01-2119980937-17-XXXX

| | | | | |
|-----------|------------|---|--|-----|
| 254-075-1 | 38668-48-3 | - | Acute Tox. 2: H300; Eye Irrit. 2: H319; Aquatic Chronic 3: H412 | <1% |
|-----------|------------|---|--|-----|

P-BENZOQUINONE - REACH registered number(s): 01-2120769514-47-XXXX

| | | | | |
|-----------|----------|---|--|-----|
| 203-405-2 | 106-51-4 | - | Acute Tox. 3: H331; Acute Tox. 3: H301; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Acute 1: H400 | <1% |
|-----------|----------|---|--|-----|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Building and construction work (SU19).

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIBENZOYL PEROXIDE

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|---------------------|--------------|------------|--------------|
| UK | 5 mg/m ³ | - | - | - |

P-BENZOQUINONE

| | | | | |
|----|------------------------|-----------------------|---|---|
| UK | 0.45 mg/m ³ | 1.3 mg/m ³ | - | - |
|----|------------------------|-----------------------|---|---|

DNEL/PNEC Values

Hazardous ingredients:

VINYL TOLUENE

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|------------------------|------------|----------|
| DNEL | Inhalation | 5.83 mg/m ³ | Workers | Systemic |
| DNEL | Inhalation | 1.04 mg/m ³ | Consumers | Systemic |
| PNEC | Fresh water | 3.2 µg/l | - | - |
| PNEC | Fresh water sediments | 0.245 mg/kg | - | - |
| PNEC | Marine water | 0.32 µg/l | - | - |
| PNEC | Marine sediments | 0.025 mg/kg | - | - |
| PNEC | Microorganisms in sewage treatment | 17.0 mg/l | - | - |
| PNEC | Soil (agricultural) | 47.1 µg/l | - | - |

2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE

| Type | Exposure | Value | Population | Effect |
|------|------------|-----------------------|------------|--------|
| DNEL | Dermal | 13.9mg/kg | Workers | Local |
| DNEL | Inhalation | 48.5mg/m ³ | Workers | Local |

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METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

| Type | Exposure | Value | Population | Effect |
|------|----------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose) | 14.7 mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 4.2 mg/kg bw/day | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 8.8 mg/m ³ | General Population | Systemic |
| DNEL | Dermal | 2.5 mg/kg bw/day | General Population | Systemic |
| DNEL | Oral (repeated dose) | 2.5 mg/kg bw/day | General Population | Systemic |

DIBENZOYL PEROXIDE

| Type | Exposure | Value | Population | Effect |
|------|----------------------------|-----------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose) | 39 mg/m ³ | Workers | Systemic |
| DNEL | Dermal (repeated dose) | 13.3 mg/kg bw/day | Workers | Systemic |
| DNEL | Dermal | 34 µg/cm ² | Workers | Local |
| DNEL | Oral (repeated dose) | 2 mg/kg bw/day | General Population | Systemic |

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Breathing protection is required in inadequately ventilated places. Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Protective gloves. Nitrile gloves. Viton gloves. EN 374 Breakthrough time of the glove material > 8 hours. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: Various

Odour: Characteristic odour

Solubility in water: Insoluble

Relative density: 1.67

VOC g/l: 1.85

9.2. Other information

Other information: Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

Section 10: Stability and reactivity

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10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

VINYL TOLUENE

| | | | | |
|-----------|-----|---------|------|-------|
| DERMAL | RBT | LD50 | 4490 | mg/kg |
| DUST/MIST | RAT | 4H LC50 | 3535 | ppmV |
| ORAL | RAT | LD50 | 3680 | mg/kg |

DIBENZOYL PEROXIDE

| | | | | |
|---------|-----|------|------|-------|
| ORL | RAT | LD50 | 2000 | mg/kg |
| VAPOURS | RAT | LD50 | 24.3 | mg/kg |

1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL

| | | | | |
|------|-----|------|----|-------|
| ORAL | RAT | LD50 | 25 | mg/kg |
|------|-----|------|----|-------|

P-BENZOQUINONE

| | | | | |
|-----|-----|------|-------|-------|
| ORL | MUS | LD50 | 25 | mg/kg |
| ORL | RAT | LD50 | 130 | mg/kg |
| SCU | MUS | LD50 | 93800 | µg/kg |

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Relevant hazards for product:

| Hazard | Route | Basis |
|--------------------------------|-------|-----------------------|
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Catalyst Comp B

| Species | Test | Value | Units |
|---------------|-----------|-------|-------|
| ALGAE | 72H ErC50 | >60 | mg/l |
| Daphnia magna | 48H EC50 | >11 | mg/l |
| FISH | 48H EC50 | >7 | mg/l |
| FISH | 96H LC50 | >100 | mg/l |

Hazardous ingredients:

DIBENZOYL PEROXIDE

| | | | |
|-------------------------------------|-----------|--------|------|
| ALGAE | 72H ErC50 | 0.0711 | mg/l |
| Daphnia magna | 48H EC50 | 0.110 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | 0.0602 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

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12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 04 09

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Active Oxygen Content of Catalyst Component 0.99%

MAL Code: 1-5

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H241: Heating may cause a fire or explosion.

H300: Fatal if swallowed.

H301: Toxic if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

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H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.