



SAFETY DATA SHEET

EPSF 300 & 410

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Compilation date: 27/06/2011

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Revision No: 3

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

1.1. Product identifier

Product name: EPSF 300 & 410

Product code: 45035 & 46075

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: StrongFast

Email: N/A

1.4. Emergency telephone number

Emergency tel: 0844 887 1401

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Sens.: R43; -: R52/53

Classification under CLP: Eye Irrit. 2: H319; Aquatic Chronic 3: H412; Skin Sens. 1: H317

Most important adverse effects: May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements under CLP:

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

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P264: Wash skin thoroughly after handling.

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

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

[cont...]

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Label elements under CHIP:

Hazard symbols: * Irritant.



Risk phrases: * R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

2.3. Other hazards

Other hazards: Not applicable.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

* Hazardous ingredients:

VINYL TOLUENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
246-562-2	25013-15-4	-: R10; Xn: R20; Xi: R36/37/38	Acute Tox. 4: H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226	3-10%

ETHYLVINYL BENZENE

248-846-1	28106-30-1	Xn: R20; Xi: R36/37/38; N: R51/53	Acute Tox. 4: H302+312+332; STOT SE 3: H335; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315	3-10%
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2-ETHYLHEXYL BENZOATE

226-641-8	5444-75-7	-: R53	Aquatic Chronic 4: H413	1-3%
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DIBENZOYL PEROXIDE

202-327-6	94-36-0	E: R3; O: R7; Xi: R36; Sens.: R43	Skin Sens. 1: H317; Org. Perox. B: H241; Eye Irrit. 2: H319	1-3%
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ETHYLENE GLYCOL

203-473-3	107-21-1	Xn: R22	Acute Tox. 4: H302	1-3%
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Section 4: First aid measures

4.1. Description of first aid measures

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

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

[cont...]

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Ingestion: If conscious, give half a litre of water to drink immediately. Do not induce vomiting.
Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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.

Ingestion: There may be loss of consciousness.

Inhalation: There may be loss of consciousness.

Delayed / immediate effects: Not applicable.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Carbon dioxide. Do not use halons.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Sealed, heated containers can pressurise leading to explosion.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

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.

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 suitable container. Wash the area with water.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Keep away from Heat and sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Ensure lighting and electrical equipment are not a source of ignition. Store in cool, well ventilated area.

[cont...]

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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	-	-	-

ETHYLENE GLYCOL

UK	52 mg/m ³ (vapour)	104 mg/m ³ (vapour)	-	-
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8.1. DNEL/PNEC Values

Hazardous ingredients:

ETHYLENE GLYCOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	53 mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	106 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	7 mg/m ³	Consumers	Local
DNEL	Inhalation	35 mg/m ³	Workers	Local

8.2. Exposure controls

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

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

Hand protection: Protective gloves. Neoprene gloves. Nitrile gloves. Viton gloves. Wear solvent proof gloves. Recommended thickness of material >0.5 mm 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.

Skin protection: Protective clothing.

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

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Paste

Colour: Various

Odour: Characteristic odour

Oxidising: Oxidising (by EC criteria)

Solubility in water: Insoluble

Flammability limits %: lower: 1.1

upper: 5.2

Flash point°C: 52

Relative density: 1.56

VOC g/l: 1.85

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. May polymerise on heating.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Reducing agents. Amines. Acids. Alkalis. Heavy metal compounds. Organic peroxide.

10.6. Hazardous decomposition products

Haz. decomp. products: If exposed to high temperatures it will emit hazardous fumes and smoke.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIBENZOYL PEROXIDE

ORL	MUS	LD50	5700	mg/kg
ORL	RAT	LD50	7710	mg/kg

[cont...]

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ETHYLENE GLYCOL

DERMAL	RABBIT	LD50	3500	mg/kg
ORL	RAT	LD50	7712	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
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.

Ingestion: There may be loss of consciousness.

Inhalation: There may be loss of consciousness.

Delayed / immediate effects: Not applicable.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Expected to biodegrade in a waste water treatment plant.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation in organisms is not expected.

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 substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Small quantities of the product can be mixed and allowed to cure, then can be disposed as solid waste.

Waste code number: 08 04 12

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

[cont...]

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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 453/2010.

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

Active Oxygen Content of Catalyst Component 0.99%

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

H241: Heating may cause a fire or explosion.

H302: Harmful if swallowed.

H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.

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.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

H413: May cause long lasting harmful effects to aquatic life.

R3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R7: May cause fire.

R10: Flammable.

R20: Harmful by inhalation.

R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R36: Irritating to eyes.

R43: May cause sensitisation by skin contact.

[cont...]

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R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53: May cause long-term adverse effects in the aquatic environment.

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.

ENVIRONMENTAL CARE: Please do not dispose of uncured material. If disposing please mix any waste product to its cured state.