

Material Safety Datasheet for Solfix Vinylester

Last Issue
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SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

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| Product Material & Description: | Chemical anchoring |
| Trade Name: | Solfix Vinylester |
| Chemical Name & Synonyms: | None. |
| Manufacturer: | Solco. |
| Address: | Unit 51, Portmanmoor Road Ind Est, Ocean Park, Cardiff, CF24 |
| Emergency Telephone Number: | 5HB. + 44 (0)292 049 5555 |

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| ETHYLVINYLBENZENE | | | | |
|---|-------------|-------------------------------------|---|---------|
| EINECS | CAS | CHIP Classification | CLP Classification | Percent |
| 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% |
| 2-ETHYLHEXYL BENZOATE | | | | |
| 226-641-8 | 5444-75-7 | -: R53 | Aquatic Chronic 4: H413 | 1-3% |
| POLY(OXY.1,2-ETHANDIYL),A,A'-[[[(4-METHYLPHENYL)IMINO]DI-2,1-ETHANDIYL]BIS[OMEGA-HYDROXY- | | | | |
| - | 103671-44-9 | Xn: R22; Xi: R41 | Eye Dam. 1: H318; Acute Tox. 4: H302 | 1-3% |
| 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% |
| LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM | | | | |
| 265-199-0 | 64742-95-6 | Xn: R65; -: R10; Xi: R37; N: R51/53 | Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411 | <1% |
| N,N-DIMETHYL-P-TOLUIDINE | | | | |
| 202-805-4 | 99-97-8 | T: R23/24/25; Xn: R33; -: R52/53 | Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412 | <1% |

SECTION 3: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

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

SECTION 4: FIRST AID MEASURES

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| Skin contact: | There may be irritation and redness at the site of contact. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. |
| Eyes contact: | There may be irritation and redness. The eyes may water profusely. Bathe the eye with running water for 15 minutes. Consult a doctor. |
| 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. |

SECTION 5: FIRE AND EXPLOSION HAZARD DATA.

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| Extinguishing media: | Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Carbon dioxide. Foam. Do not use halons. |
| Exposure hazards: | Sealed, heated containers can pressurise leading to explosion. In combustion emits toxic fumes.. |
| Protection of fire fighters: | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |

SECTION 6: ACCIDENTAL RELEASE MEASURES / SPILLS.

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| 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. Turn leaking containers leak-side up to prevent the escape of liquid. |
| Environmental precaution: | Do not discharge into drains or rivers. Contain the spillage using bunding. |
| Clean up procedures: | Transfer to a suitable container. Wash the area with water. |

SECTION 7: HANDLING AND STORAGE.

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| Storage conditions: | Ensure lighting and electrical equipment are not a source of ignition. Store in cool, well ventilated area. Must only be kept in original packaging |
| Handling: | Keep away from Heat and sources of ignition. Comp. B = Use non-sparking tools |

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION.

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| Hazardous Ingredients: | DIBENZOYL PEROXIDE WEL (8 hr exposure limit): 5 mg/m ³ |
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| Type | Exposure | Value | Population | Effect |
|------|------------|-----------------------|--------------------|----------|
| DNEL | Oral | 1.65 mg/kg bw/d | General Population | Systemic |
| DNEL | Dermal | 3.3 mg/kg bw/d | General Population | Systemic |
| DNEL | Inhalation | 2.9 mg/m ³ | General Population | Systemic |

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| 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: | * Nitrile gloves. Viton gloves. Wear solvent proof gloves. Recommended thickness of material >0.5 mm As the product is a preperation 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: | Wear suitable overalls. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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| State: | Paste |
| Colour: | Various |
| Odour: | Characteristic odour |
| Solubility in Water: | Insoluble |
| Oxidising: | Oxidising (by EC criteria) |
| VOC g/l: | 0.66 |
| Relative density: | 1.61 |

SECTION 10: STABILITY AND REACTIVITY.

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| Stability: | Stable under normal conditions |
| Conditions to avoid: | Heat |
| Materials to avoid: | Reducing agents. Acids. Alkali. Heavy metal compounds. Organic peroxide. Oxidising agents. |
| Haz. decomp.products: | If exposed to high temperatures it will emit hazardous fumes and smoke |

SECTION 11: TOXICOLOGICAL INFORMATION.

DIBENZOYL PEROXIDE

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|---------|-----|------|------|-------|
| ORL | RAT | LD50 | 5000 | mg/kg |
| VAPOURS | RAT | LD50 | 24.3 | mg/kg |

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

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|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 8400 | mg/kg |
|-----|-----|------|------|-------|

N,N-DIMETHYL-P-TOLUIDINE

| | | | | |
|-----|-----|------|-----|-------|
| IPR | MUS | LD50 | 212 | mg/kg |
|-----|-----|------|-----|-------|

Relevant effects for mixture:

| Effect | Route | Basis |
|---------------|-------|-----------------------|
| Sensitisation | DRM | Hazardous: calculated |

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| Routes of exposure: | Refer to section 4 of SDS for routes of exposure and corresponding symptoms. |
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SECTION 12: ECOLOGICAL INFORMATION.

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| Mobility: | N/A |
| Persistence and degradability: | N/A |
| Bio accumulative potential: | N/A |
| Other adverse effects: | N/A |

SECTION 13: DISPOSAL CONSIDERATIONS.

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| Disposal operations: | Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. |
| Waste code number: | 08 04 12 |
| Disposal of packaging: | Any special regulatory disposal status or provisions applicable to the product may also apply to empty containers or packaging if they contain, or are impaired with residual material. |

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

SECTION 14: TRANSPORT / LABEL INFORMATION.

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



Label elements under CHIP:

Hazard symbols:

Irritant.



SECTION 15: REGULATORY INFORMATION.

Precautionary statements:

P264: Wash skin thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+352: IF ON SKIN: Wash with plenty of soap and water.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations.

SECTION 16: ANY OTHER HEALTH AND SAFETY 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.

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| Phrases used: | <p>H226: Flammable liquid and vapour. H241: Heating may cause a fire or explosion. H301: Toxic if swallowed. 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. H311: Toxic in contact with skin H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H331: Toxic if inhaled. H335: May cause respiratory irritation. H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. 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. R23/24/25: Toxic by inhalation, in contact with skin and if swallowed. R33: Danger of cumulative effects. R36/37/38: Irritating to eyes, respiratory system and skin. R36: Irritating to eyes. R37: Irritating to respiratory system. R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. 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. R65: Harmful: may cause lung damage if swallowed.</p> |
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Training:

All operatives using this material must receive proper training with regard to the health and safety aspects relating to it.

Recommended uses and restrictions:

Use only in conjunction with appropriate industrial practice.

Sources of information used to compile MSDS:

Various, further information available by special request.

NOTE: The information contained in this Material Safety Data Sheet does not constitute the user's own assessment of workplace risk as required by other Health and Safety legislation. The data given here is based on current knowledge and experience and may be updated as new information becomes available. The purpose of this Material Safety Data Sheet is to describe the product in terms of its safety requirements. The data does not signify any warranty with regard to its properties. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use.