

Material Safety Datasheet for Solcure Standard

SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Material & Description:	Solvent based concrete curing compounds
Trade Name:	Solcure Standard
Chemical Name & Synonyms:	None.
Manufacturer:	Solco.
Address:	Unit 51, Portmanmoor Road Ind Est, Ocean Park, Cardiff, CF24 5HB.
Emergency Telephone Number:	+ 44 (0)808 1686927.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Contains:	Aromatic Hydrocarbon Resin 10-30% CAS: 68527-25-3
	Xylene 1-10% EINECS: 215-535-7 CAS: 1330-20-7 [-] R10; [Xn] R20/21 [Xi] R38
	Cumene < 1% EINECS: 202-704-5 CAS: 98-82-8 [-] R10; [Xi] R37; [N] R51/53 [Xn] R65
	Mesitylene 1-10% EINECS: 203-604-4 CAS: 108-67-8 [-] R10; [Xi] R37; [N] R51/53
	1,2,4 Trimethylbenzene 1-10% EINECS: 202-436-9 CAS 95-63-6 [-] R10 [Xn] R20; [Xi] R36/37/38; [N] R51/53
	Straight Run Kerosine – Solvent naphtha (petroleum) medium aliph 50-7-% EINECS: 265-191-7 CAS: 64742-88-7 [-] R65; [Xi] R38; [N] R51/53

SECTION 3: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

Main hazards:	Flammable, irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful:	May cause lung damage if swallowed.

SECTION 4: FIRST AID MEASURES

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:	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting
Inhalation:	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA.

Extinguishing media:	Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers..
Exposure hazards:	Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.
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.

Personal precautions:	Refer to section 8 of MSDS 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. Eliminate all sources of ignition..
Environmental precaution:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean up procedures:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

SECTION 7: HANDLING AND STORAGE.

Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition
Handling:	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 mists in the air. Smoking is forbidden. Use non-sparking tools.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION.

WEL (8 hr exposure limited): 600 mg/m³

Hazardous ingredients:

Aromatic hydrocarbon resin: WEL (8 hr exposure limit): 15 mg/m³

Xylene: WEL (8 hr exposure limit): 220 mg/m³ WEL (15 min exposure limit): 441 mg/m³

Cumene: WEL (8 hr exposure limit): 125 mg/m³ WEL (15 min exposure limit): 250mg/m³

Mesitylene: WEL (8 hr exposure limit): 25 ppm

1,2,4-Trimethylbenzene: WEL (8 hr exposure limit): 100 mg/m³

WEL (15 min exposure limit): 200 mg/m³

Respiratory dust: Aromatic hydrocarbon resin: WEL (8 hr exposure limit): 5 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory Protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

State:	Liquid
Colour:	Pale Yellow
Odour:	Characteristic odour
Solubility in water:	Insoluble
Viscosity:	Non-viscous
Viscosity value:	7 cSt
Flammability limits:	lower 0.9, upper 8
Flash point:	38°C
Relative density:	0.825

SECTION 10: STABILITY AND REACTIVITY.

Stability:	Stable under normal conditions. Stable at room temperature
Conditions to avoid:	Heat. Hot surfaces. Sources of ignition. Flames.
Materials to avoid:	Strong oxidising agents. Strong Acids.
Haz.decomp.products:	In combustion emits toxic fumes

SECTION 11: TOXICOLOGICAL INFORMATION.
Hazardous ingredients:

Xylene:	ORL MUS LD50 2119 mg/kg ORL RAT LD50 4300 mg/kg SCU RAT LD50 1700 mg/kg
Cumene:	ORL MUS LD50 12750 mg/kg ORL RAT LD50 1400 mg/kg
Mesitylene:	IPR GPG LDLO 1303 mg/kg
1,2,4- Trimethylbenzene:	IPR RAT LDLO 1752 mg/kg ORL RAT LD50 5 gm/kg

Routes of exposure: Refer to section 4 of MSDS for routes of exposure and corresponding symptoms.

SECTION 12: ECOLOGICAL INFORMATION.

Mobility:	Readily absorbed into soil
Persistence and degradability:	Biodegradable
Bio accumulative potential:	No bioaccumulation potential
Other adverse effects:	Negligible ecotoxicity

SECTION 13: DISPOSAL CONSIDERATIONS.

Disposal operations:	Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.
Waste code number:	16 03 03*
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.

ADR/RID:
UN no: 1866
ADR Class: 3
Packing group: III Classification
code: F1
Shipping name: Resin solution
Labelling: 3
Hazard ID no: 30



IMDG / IMO:
UN no: 1866
Class: 3
Packing group: II
Packing instructions (Cargo): 310 Maximum quantity 60 L.
(Passenger): 309. Maximum quantity 5 L.
Labelling: 3
Further information:
The product is not classified as dangerous for carriage.

SECTION 15: REGULATORY INFORMATION.

Labelling:
Hazard symbols:



The product is classified in accordance with 67/548/EEC.
N-Dangerous for the environment. T-Toxic.

Risk phrases:

R10 – Flammable.
R38- Irritating to eyes, respiratory system and skin
R51/53 – Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
R65 – Harmful: may cause long damage if swallowed.

Safety phrases:

S61: Avoid release to the environment.
Refer to special instructions / safety data sheets.
S62 - If swallowed do not induce vomiting. Seek medical
advice immediately and show this container or label.

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.

Risk phrases used in S2:

R10: Flammable.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R37: Irritating to respiratory system.
R51/53: Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.

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:
Sources of information used to compile MSDS:**

**Use only in conjunction with appropriate industrial practice.
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.