



SAFETY DATA SHEET

SOLCURE SUPER

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Compilation date: 07/10/2016

Revision date: 25/4/2017

Revision No: 3

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

1.1. Product identifier

Product name: SOLCURE SUPER

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

Use of substance / mixture: Concrete curing

1.3. Details of the supplier of the safety data sheet

Company name: Solco
Unit 51
Portmanmoor Road Ind Est
Ocean Park
Cardiff
CF24 5HB
United Kingdom

Tel: 02920 495 555

Fax: 02920 491 700

Email: enquiries@solco.co.uk

1.4. Emergency telephone number

Emergency tel: 02920 495 555
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Asp. Tox. 1: H304; STOT SE 3: H336; Acute Tox. 4: H332; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; Skin Irrit. 2: H315; -: EUH066

Most important adverse effects: Repeated exposure may cause skin dryness or cracking. Flammable liquid and vapour.
May be fatal if swallowed and enters airways. Causes skin irritation. Harmful if inhaled.
May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H332: Harmful if inhaled.

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H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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

P301+310: IF SWALLOWED: Immediately call a doctor.

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

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS C9-12, N-ALKANES, ISOALKANES, CYCLIC AROMATICS (2-25%) - REACH registered number(s):
01-2119458049-33-0003

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-185-4	64742-82-1	-	Skin Irrit. 2: H315; STOT SE 3: H336; Acute Tox. 4: H302+332; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; -: EUH066	70-90%

C9 HYDROCARBON RESIN

-	64742-16-1	Substance with a Community workplace exposure limit.	-	10-30%
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[cont...]

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XYLENE

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	1-10%
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MESITYLENE

203-604-4	108-67-8	-	Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	1-10%
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ETHYLBENZENE

202-849-4	100-41-4	-	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373; Asp. Tox. 1: H304	1-10%
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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: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the lower and upper eyelids. Check and remove any contact lenses

Ingestion: Wash out mouth with water. If swallowed, do not induce vomiting- seek medical advice. Risk of product entering the lungs on vomiting after ingestion; in this case the casualty should be sent immediately to hospital.

Inhalation: If spray/mist has been inhaled, proceed as follows:- move affected person to fresh air and keep warm and put in a rest position comfortable for breathing. Get medical assistance if any discomfort continues.

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

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Headaches or general malaise may result.

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

Immediate / special treatment: May cause lung damage if swallowed. If swallowed immediately seek medical assistance. IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Do not use water jet as an extinguisher, as this will spread the fire.

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: In case of a large fire or in confined or poorly ventilated spaces, wear full resistant protective clothing and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Prevent run-off from entering drains and water courses. Do not allow to enter drains, sewers or watercourses.

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. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

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.

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: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a 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.

Suitable packaging: If original drums, barrels can not be used then mild steel /stainless steel drums/barrels may be used in an emergency.

7.3. Specific end use(s)

Specific end use(s): No data available.

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1200mg/m ³	-	-	-

Hazardous ingredients:

HYDROCARBONS C9-12, N-ALKANES, ISOALKANES, CYCLIC AROMATICS (2-25%)

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1200 mg/m ³	-	-	-

DNEL/PNEC Values

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Type	Exposure	Value	Population	Effect
DNEL	Dermal	44 mg/kg/day	Workers	Systemic
DNEL	Inhalation	330 mgm ³	Workers	Systemic
DNEL	Dermal	26 mg/kg/day	Consumers	Systemic
DNEL	Inhalation	71 mg/m ³	Consumers	Systemic
DNEL	Oral	26 mg/kg/day	Consumers	Systemic
-	Values for Hydrocarbon C 9- C12,n-alkanes, isoalkanes cyclic	-	-	-

Hazardous ingredients:

HYDROCARBONS C9-12, N-ALKANES, ISOALKANES, CYCLIC AROMATICS (2-25%)

Type	Exposure	Value	Population	Effect
DNEL	Dermal	44 mg/kg/day	Workers	Local
DNEL	Inhalation	330 mg/m ³	Workers	Local
DNEL	Dermal	26 mg/kg/day	Consumers	Systemic
DNEL	Inhalation	71 mg/m ³	Consumers	Systemic
DNEL	Oral	28 mg/kg/day	Consumers	Systemic

8.2. Exposure controls

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

Respiratory protection: If the airborne contamination exceeds the recommended occupational exposure limit respiratory equipment must be used.

Hand protection: Protective gloves. Recommended thickness of the material ≥ 0.7 mm. Nitrile butyl rubber (NBR). Impermeable gloves, change regularly to avoid permeation problems.

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

Skin protection: The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace. Long sleeved protective clothing. Nitrile, neoprene or PVC apron. Chemical overalls. Wear appropriate clothing to prevent any possibility of liquid contact and repeated prolonged vapour contact. Wear approved chemical safety goggles where eye exposure is reasonably probable.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: yellow to pale amber

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Non-viscous

Kinematic viscosity: <=20.5

Viscosity test method: Kinematic viscosity in 10-6 m²/s at 40°C (ISO 3104/3105)

Boiling point/range°C: >=158

Melting point/range°C: Not applicable.

Flammability limits %: lower: 0.7

upper: 7

Flash point°C: 40

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: >230

Vapour pressure: 1.9 hPa₂₀

Relative density: 0.841

pH: Not applicable.

VOC g/l: 1.9 hPa₂₀

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. Stable at room temperature.

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. Hot surfaces. Sources of ignition. Flames.

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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

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>15,000	mg/kg
DERMAL	RAT	24H LD50	>3400	mg/kg
VAPOURS	RAT	4H LC50	13.100	mg/m ³

Hazardous ingredients:

HYDROCARBONS C9-12, N-ALKANES, ISOALKANES, CYCLIC AROMATICS (2-25%)

DERMAL	RAT	LD50	>3400	mg/kg
ORAL	RAT	LD50	>1500	mg/kg
VAPOURS	RAT	4H LC50	>13.100	mg/l

C9 HYDROCARBON RESIN

ORAL	RAT	LD50	>2000	mg/kg
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XYLENE

DERMAL	RBT	LD50	>4200	mg/kg
ORAL	MUS	LD50	5251	mg/kg

MESITYLENE

ORAL	MUS	LD50	7000	mg/kg
ORAL	RAT	LD50	5000	mg/kg
VAPOURS	RAT	4H LC50	24,000	mg/m

ETHYLBENZENE

IPR	MUS	LD50	2624	µl/kg
ORL	RAT	LD50	3500	mg/kg

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Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Headaches or general malaise may result.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	2.6	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	EC50	4.36	mg/l
Daphnia magna	48H EC50	3.82	mg/l
Ceriodaphnia dubia	48H EC50	>3.4	mg/l

Hazardous ingredients:

HYDROCARBONS C9-12, N-ALKANES, ISOALKANES, CYCLIC AROMATICS (2-25%)

ALGAE	72H IC50	4.6 - 10	mg/l
DAPHNIA	48H EC50	10 - 22	mg/l
FISH	96H LC50	10 - 30	mg/l

XYLENE

Ceriodaphnia dubia	48H EC50	>3.4	mg/l
Daphnia magna	48H EC50	3.82	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	EC50	4.36	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	2.6	mg/l

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MESITYLENE

Daphnia magna	48H EC50	6	mg/l
GOLDFISH	96H LC50	12.52	mg/l

12.2. Persistence and degradability

Persistence and degradability: 75%, 28 days Method. OECD 301F Test. Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Product is a UVCB. Standard tests for this endpoint are not appropriate.

12.4. Mobility in soil

Mobility: Substance is a UVCB. Standard tests for this endpoint are not appropriate

12.5. Results of PBT and vPvB assessment

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

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.

Recovery operations: Not applicable.

Disposal of packaging: Arrange for collection by specialised disposal company.

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

Section 14: Transport information

14.1. UN number

UN number: UN1300

14.2. UN proper shipping name

Shipping name: TURPENTINE SUBSTITUTE

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

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14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: Flammable liquid

IMDG seg. group: 3

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.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H302+332: Harmful if swallowed or if inhaled.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

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.

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.