

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name: SOLTUFF

**1.2. Relevant identified uses of the substance or mixture and uses advised against****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: Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335

**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.**2.2. Label elements****Label elements:****Hazard statements:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

**Hazard pictograms:** GHS07: Exclamation mark

GHS05: Corrosion



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**Signal words:** Danger

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

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

P302+350: IF ON SKIN: Gently wash with plenty of soap and water.

P311: Call a doctor.

## 2.3. Other hazards

**Other hazards:** Harmful in contact with skin. Risk of serious damage to eyes. May cause sensitisation by inhalation.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

SODIUM SILICATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
215-687-4	1344-09-8	-	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315	1-10%

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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

**Ingestion:** Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

### 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 pain.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No symptoms.

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

**Immediate / special treatment:** Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. In case of shortness of breath, give oxygen. Eye bathing equipment should be available on the premises.

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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Not applicable.

### 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. 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. Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

### 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):** PC15: Non-metal-surface treatment products.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

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## DNEL/PNEC Values

### SOLTUFF

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	7.5 mg/l	Workers	Local
PNEC	Marine water	1 mg/l	Workers	Local
PNEC	Microorganisms in sewage treatment	348 mg/l	-	Local

## 8.2. Exposure controls

**Engineering measures:** Ensure storage room has retention walls. The floor of the storage room must be impermeable to prevent the escape of liquids. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Not applicable.

**Hand protection:** Neoprene gloves. Nitrile gloves.

**Eye protection:** Safety glasses with side-shields. Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Alkali resistant protective clothing. Boots. PVC apron. Ensure safety shower is to hand.

**Environmental:** The floor of the storage room must be impermeable to prevent the escape of liquids. Ensure storage room has retention walls. 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:** Colourless

**Odour:** Odourless

**Evaporation rate:** Slow

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Highly soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**upper:** Not applicable.

**Flash point°C:** None

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** 1.06

**pH:** 11.2

**VOC g/l:** Not applicable.

### 9.2. Other information

**Other information:** Not applicable.

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## 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.

### 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. Hot surfaces.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Not applicable.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	3400	mg/kg
VAPOURS	RAT	LD50	>2.06	g/l

#### Hazardous ingredients:

##### SODIUM SILICATE

DERMAL	RBT	LD50	1960	mg/kg
ORAL	RAT	LD50	1153	mg/kg

#### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	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 pain.

**Ingestion:** No data available.

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**Inhalation:** No data available.

**Delayed / immediate effects:** No symptoms.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:**

Species	Test	Value	Units
FISH	96H LC50	1108	mg/l

**Hazardous ingredients:**

#### SODIUM SILICATE

Daphnia magna	96H EC50	216	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	3185	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 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:** Not applicable.

## 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.

**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.

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## 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

## 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:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

**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.