

P.O. BOX 3786, BRACKNELL, BERKS, RG12 7TH  
TELEPHONE: 0118 989 2666 FAX: 0118 989 0929  
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## 1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

**Name of Product:** SURECURE S

**Use Description of Product** Water Based Sodium Silicate Concrete Curing Aid

**Supplier:** Direct Chemicals  
P.O. BOX 3786,  
BRACKNELL,  
BERKS,  
RG12 7TH  
United Kingdom

**Telephone:** 0118 989 2666

**Fax:** 0118 989 0929

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Ingredients:** SODIUM SILICATE 10-30%  
EINECS: 229-912-9 CAS: 1344-09-8  
[Xi] R38; [Xi] R41

## 3. HAZARDS IDENTIFICATION

**Main Hazards:** Irritating to skin. Risk of serious damage to eyes.

## 4. FIRST AID MEASURES (SYMPTONS)

**Skin Contact:** There may be irritation and redness at the site of contact.

**Eye Contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

## 4. FIRST AID MEASURES (ACTIONS)

**Skin Contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye Contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

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

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

## 5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure Hazards:** The material is not flammable therefore the media used is for the fire only. This product may give rise to hazardous fumes in a fire.
- Protection of Fire Fighters:** Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental Precautions:** 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.

## 7. STORAGE AND HANDLING

- Handling Requirements:** Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.
- Storage Conditions:** Store in cool, well ventilated area. Keep container tightly closed.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Engineering Measures:** Ensure there is sufficient ventilation of the area.
- Respiratory Protection:** Respiratory protection is not normally required. However suitable respiratory equipment may need to be provided for those operations which generate vapour, mists or fumes and where exposure cannot be adequately controlled by local exhaust ventilation or other means.
- Hand Protection:** Protective gloves.
- Eye Protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.
- Skin Protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Colourless

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**Odour:** Barely perceptible

**Evaporation Rate:** Slow

**Solubility in water:** soluble

**Viscosity:** Not determined

**Relative Density:** 1.084

**pH:** 11

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Conditions to Avoid:** Heat

**Materials to avoid:** Zinc, Acids, Aluminium, Fluorine Vapours

**Haz. Decomp products:** This product may give rise to hazardous fumes in a fire.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** SODIUM SILICATE  
ORL RAT LD50 1280 mg/kg

**Chronic toxicity:** Hazardous in case of contact with skin (irritant), very hazardous in case of eye contact (irritant).

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

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** Toxic to flora. The product is rated as moderately toxic to aquatic species.

## 14. DISPOSAL CONSIDERATIONS

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

**Disposal of packaging:** May be reused following decontamination.

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

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## 15. TRANSPORT INFORMATION

### ADR / RID

|                         |      |                             |      |
|-------------------------|------|-----------------------------|------|
| <b>UN Number:</b>       | None | <b>A.D.R Class:</b>         | None |
| <b>Packaging Group:</b> | None | <b>Classification Code:</b> | None |
| <b>Shipping Name</b>    | None |                             |      |
| <b>Labelling:</b>       | None | <b>Hazard ID No:</b>        | None |

### IMDG / IMO

|                          |      |                   |      |
|--------------------------|------|-------------------|------|
| <b>UN Number:</b>        | None | <b>Class:</b>     | None |
| <b>Packaging Group:</b>  | None | <b>EmS:</b>       | None |
| <b>Marine Pollutant:</b> | No   | <b>Labelling:</b> | None |

### IATA / ICAO

|                         |      |                                |      |
|-------------------------|------|--------------------------------|------|
| <b>UN Number:</b>       | None | <b>Class:</b>                  | None |
| <b>Packaging Group:</b> | None | <b>Packaging Instructions:</b> | None |
| <b>Labelling:</b>       | None |                                |      |

## 16. REGULATORY INFORMATION

**Hazard Symbols:** Irritant



**Risk Phrases:** R38: Irritating to skin.  
 R41: Risk of serious damage to eyes.

**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S2: Keep out of the reach of children.  
 S39: Wear eye / face protection.

**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. Refer to all applicable national, international and local regulations or provisions.

## 17. OTHER INFORMATION

**Risk phrases used in s.2:** R38: Irritating to skin.  
 R41: Risk of serious damage to eyes.

**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.