

P.O. BOX 3786, BRACKNELL, BERKS, RG12 7TH
TELEPHONE: 0118 989 2666 FAX: 0118 989 0929
E-MAIL: sales@dichem.co.uk
WEB: www.dichem.co.uk



1. Identification of the Substance/Preparation & Supplier.

Supplier: Direct Chemicals, PO BOX 3786, Bracknell, Berkshire, RG12 7TH
Tel. 0118 989 2666 Fax: 0118 989 0929

Product Name: Surecure S (T1867)
Product Type: Concrete Curing Agent

2. Hazards Identification.

Hazard designation:
Classified as Serious Eye Irritant under CHIP regulations.

Information pertaining to particular dangers for man and environment: Not applicable.

Classification system:

The health and environmental hazards of this preparation have been assessed by the conventional method described in annex II and III of the preparations Directive 1999/45 EC.

3. Composition/Information on Ingredients.

Dangerous components:

Hazardous component:	EINECS	Cas No.	Index	Risk Phrases:	Concentration:
Sodium Silicate	215-687-4	1344-09-8	Xi	R38, R41	10-30%

Additional Information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures.

Eye Contact: Flush with plenty of clean water for at least 15 minutes. Obtain medical attention.

Skin Contact: Wash off with water. Remove any contaminated clothing and wash before re-use. Obtain medical attention if irritation persists.

Inhalation: Remove to fresh air, if symptoms persist, seek medical advice.

Ingestion: Rinse mouth with water. Milk or water to drink may be beneficial. **Do not** induce vomiting without medical advice.

5. Fire Fighting Measures:

Suitable Extinguishing Media: Foam, Dry Powder, CO₂, Halon, fine water spray suitable.

Unsuitable Extinguishing Media for Reasons of Safety: None

Special Hazards caused by the material, its products of combustion or flue gases: Not normally combustible. If involved in a fire, or if heated, corrosive/toxic fumes may be released.

Protective Equipment: Fire fighters should enter wearing breathing apparatus.

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6. Accidental Release Measures.

Personal safety precautions: Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.

Measures for environmental protection: Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

Methods for cleaning/collecting: Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

7. Handling and Storage.

Handling: Avoid contact with skin and eyes. Observe good standards of industrial hygiene.
Information for safe handling: Keep in tightly closed containers. Take note of emission threshold.

Storage:

Requirements to be met by storerooms and containers: Store between 0-35°C. Protect from frost.

Information about storage in a common storage facility: Do not store in extremes of temperature or near foodstuffs.

Specific Uses: To be used as a sealer.

8. Exposure Controls/Personal Protection.

Exposure limit values:

Provide adequate ventilation to ensure the airborne concentration of substances to which a WEL has been assigned is below that WEL.

Occupational exposure controls:

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Chemical eye goggles should be worn.

Hand: PVC or rubber gloves are recommended.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

Environmental exposure controls:

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

Appearance:	Clear to Hazy Fluid
Odour:	Bland
pH Neat:	11.0 typical
Boiling Point:	100°C
Flammability:	Non-Flammable
Vapour Pressure:	Water=18mm Hg
Water Solubility:	Totally soluble
Specific Gravity @ 20°C:	1.090 typical
Freezing Point:	0°C

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10. Stability and Reactivity.

Conditions to Avoid: Naked flames, hot surfaces, other high temperature sources.

Materials to Avoid: Strong oxidising agents.

Hazardous Decomposition: Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which could be toxic may be evolved. Product is stable under normal conditions.

11. Toxicological Information.

Eyes: Classified as a serious eye irritant. Contact with the eyes may give rise to irritation and stinging. No permanent damage if treated immediately.

Skin: Product is not classified as a skin irritant. Exposure to the skin may give rise to irritation. Prolonged or repeated contact with the undiluted product may lead to dermatitis through skin de-fatting.

Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.

Ingestion: Low order of acute toxicity. Swallowing of large quantities may cause vomiting and diarrhoea.

12. Ecological Information.

Eco-toxicity: There is no data available on the product itself. Due to high pH, consider as harmful to aquatic organisms.

Mobility: The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

Persistence and Degradability: The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the Competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Bio-accumulative Potential: They are not expected to bio-accumulate.

13. Disposal Recommendations.

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Wash out containers with water, running the washings to sewage treatment plant system. Dispose of empty containers in accordance with local and national regulations.

Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

Product is not classified as hazardous for transport.

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15. Regulatory Information.

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP).

Hazard Symbol:



Risk Phrases: R41: Risk of Serious Damage to the Eyes

Safety Phrases: S2: Keep out of reach of children.
S25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye/face protection.

National Regulations:

Regulations which may apply in event of accident:

Control of Major Accident Hazards (COMAH)

Critical quantity values according to the regulations on accidents should be adhered to.

16. Other Information.

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2002 (CHIP 3).

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

R - Phrases relevant to the products hazardous ingredients:

R38: Irritating to the skin
R41: Risk of serious damage to eyes

Training Advice: Users should be trained in good industrial hygiene practise.

Recommended Restrictions on Use:

Department issuing data specification sheet: Health and Safety Department

Contact: Robin Wells. Tel 0118 989 2666, E-Mail: sales@dichem.co.uk

*Date compared to the previous version altered.

Legal Disclaimer:

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.