

# SAFETY DATA SHEET

## Solar - INFECTION CONTROL

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name Solar - INFECTION CONTROL

Product number A125 SO

Internal identification

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

Identified uses Quaternary Ammonium based Liquid Disinfectant.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Solar Hygiene Supplies  
Unit 12 Todwick Road Industrial Estate  
Bookers Way  
Sheffield  
S25 3SH

Tel: 01909 566 272  
Fax: - - - -  
E-Mail: solarhygiene@btconnect.com

#### 1.4. Emergency telephone number

Emergency telephone Solar - 01909 566 272 - 9.00am to 5.00pm - Mon to Fri

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

##### Environmental hazards

Not Classified

##### Classification (67/548/EEC or 1999/45/EC)

Xi;R36/38.

#### 2.2. Label elements

##### Pictogram



Signal word Danger

##### Hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.

##### Precautionary statements

**Solar - INFECTION CONTROL**

- P102 Keep out of reach of children.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301 IF SWALLOWED:
- P313 Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P315 Get immediate medical advice/attention.
- P501 Dispose of contents/container in accordance with local regulations.

**Contains**

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

<b>C12-15 ALCOHOL ETHOXYLATE (7EO)</b>		<b>3-5%</b>
CAS number: 68131-39-5 EC number: — M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22. Xi;R41. N;R50.	
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		
<b>ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE</b>		<b>3-5%</b>
CAS number: 68424-85-1 EC number: 270-325-2 M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R21/22. C;R34. N;R50.	
Acute Tox. 4 - H312		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation**

Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion**

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

**Skin contact**

Wash with plenty of water. Get medical attention if irritation persists after washing.

**Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

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

## Solar - INFECTION CONTROL

### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### Inhalation

Irritation of nose, throat and airway.

### Ingestion

May cause discomfort if swallowed.

### Skin contact

Skin irritation. Prolonged skin contact may cause redness and irritation.

### Eye contact

Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

#### Notes for the doctor

Treat symptomatically.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

#### Specific hazards

Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

### 6.2. Environmental precautions

#### Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

#### Reference to other sections

For personal protection, see Section 8.

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Usage precautions

Wear protective clothing, gloves, eye and face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

## Solar - INFECTION CONTROL

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

#### Usage description

See Product Information Sheet & Label for detailed use of this product.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### Ingredient comments

No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Not relevant.

#### Eye/face protection

Wear eye protection.

#### Hand protection

Wear protective gloves. (Household rubber gloves.)

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection

Respiratory protection not required.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Liquid.

#### Colour

Clear. Blue.

#### Odour

Floral.

#### pH

pH (concentrated solution): 12.00

#### Melting point

-1°C

#### Initial boiling point and range

101°C @ 760 mm Hg

#### Flash point

Boils without flashing.

#### Relative density

1.017 @ 20°C

#### Solubility(ies)

## Solar - INFECTION CONTROL

Soluble in water.

### **9.2. Other information**

#### **Other information**

None.

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## **SECTION 10: Stability and reactivity**

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### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

#### **Stability**

No particular stability concerns.

### **10.3. Possibility of hazardous reactions**

See sections 10.1, 10.4 & 10.5

### **10.4. Conditions to avoid**

There are no known conditions that are likely to result in a hazardous situation.

### **10.5. Incompatible materials**

#### **Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

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## **SECTION 11: Toxicological information**

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### **11.1. Information on toxicological effects**

#### **Toxicological effects**

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

#### **Other health effects**

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

#### **Acute toxicity - oral**

##### **Notes (oral LD50)**

Based on available data the classification criteria are not met.

##### **ATE oral (mg/kg)**

5,553.70442229

#### **Acute toxicity - dermal**

##### **Notes (dermal LD50)**

Based on available data the classification criteria are not met.

##### **ATE dermal (mg/kg)**

29333.3626667

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## **SECTION 12: Ecological Information**

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#### **Ecotoxicity**

Not regarded as dangerous for the environment.

### **12.1. Toxicity**

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### **12.2. Persistence and degradability**

## Solar - INFECTION CONTROL

### Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

#### Mobility

Not known.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal methods

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## SECTION 14: Transport information

**General** Not classified for Transport.

### 14.1. UN number

UN No. (ICAO)

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

ADR/RID label

ICAO class/division

ICAO subsidiary risk

### 14.4. Packing group

ADR/RID packing group

ICAO packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

EmS

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC -

### Solar - INFECTION CONTROL

classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

#### Guidance

Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

### SECTION 16: Other information

#### Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

#### Revision comments

New formulation. & This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

<b>Revision date</b>	27/03/2015
<b>Revision</b>	Issue 4
<b>SDS status</b>	The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

#### Risk phrases in full

- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R21/22 Harmful in contact with skin and if swallowed.
- R22 Harmful if swallowed.
- R34 Causes burns.
- R36/38 Irritating to eyes and skin.
- R37 Irritating to respiratory system.
- R41 Risk of serious damage to eyes.
- R50 Very toxic to aquatic organisms.

#### Hazard statements in full

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.