

## SAFETY DATA SHEET

### SUNSPOT STABILISED CHLORINE GRANULES

#### 1. IDENTIFICATION OF CHEMICAL

Chemical name: Troclosene Sodium, Dihydrate  
Product Name: SUNSPOT STABILISED CHLORINE GRANULES  
Synonyms: Sodium Dichloroisocyanurate Dihydrate, Stabilised Chlorine Granules, Dichlor Granules, Pool & Spa Dichlor Granules.  
CAS number: 51580-86-0  
EINECS number: 613-030-01-7

#### 2. COMPOSITION

<u>Ingredients:</u>	<u>CAS NO.</u>	<u>EINECS No.</u>	<u>Contents</u>
Troclosene Sodium, Dihydrate	51580-86-0	613-030-01-7	

#### 3. HAZARD IDENTIFICATION

Main hazards: Harmful if swallowed. Contact with acids liberates toxic gases. Irritating to eyes and respiratory system. Dangerous to the environment.

#### 4. FIRST-AID MEASURES

Skin contact: Wash thoroughly with plenty of water. Remove contaminated clothing and wash before reuse. If large area of skin is damaged or if irritation persists seek medical attention.

Eye contact: If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes. If irritation persists seek medical attention.

Ingestion: If the chemical has been confined to the mouth, give large quantities of water as a mouth wash. Ensure the mouth wash is not swallowed. If the chemical has been swallowed, give about 250ml water to dilute it in the stomach. In severe cases seek medical attention.

Inhalation: Remove the casualty out of the danger area after first ensuring your own safety. Loosen the patient's clothing. If the casualty is unconscious, place in the recovery position and monitor breathing. Apply artificial respiration only if patient is not breathing. Seek medical attention when anyone has symptoms apparently due to swallowing or inhalation.

Note: When seeking medical attention, always show the product label.

#### 5. FIRE-FIGHTING MEASURES

Exposure hazards: The product is not flammable. Thermal decomposition occurs at above 240°C. This can be extinguished by flooding with water or by isolating the decomposing material to open air and allowing it to be consumed.

Suitable extinguisher: Water, CO<sub>2</sub>. DO NOT USE AMMONIUM COMPOUNDS.

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Hazardous combustion products: Chlorine, Hypochlorous acid, Cyanuric acid.

## 6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear a face mask, rubber boots and heavy rubber gloves.  
Leaks & spills: Sweep up spilled substance but avoid making dust. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery.  
Clean-up procedures: Sweep up and deposit in dry plastic sacks or drums. DO NOT introduce water or other liquids to the spillage site.

## 7. HANDLING AND STORAGE

Handling requirements: Do not breath in dust. Avoid skin and eye contact.  
Storage precautions: Store in a cool, dry place away from direct sunlight and heat. Keep out of reach of children and avoid storage or contact with:  
Organic materials, oil, grease, sawdust, reducing agents, Nitrogen containing compounds, Sodium hypochlorite, calcium hypochlorite, other oxidisers, acids and alkalis.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection: Wear appropriate protective clothing.  
Type: ORL-RAT LD50  
Toxicity: 1400 mg/kg

## 9. PHYSICAL AND CHEMICALS PROPERTIES

Appearance and odour: White crystalline solid, granules. Chlorine odour.  
Solubility in water: 290 gm/litre @ 25°C  
Boiling point/ range°C: N/A  
Melting point/range°C: 240°C (Approx.)  
Flash point: None  
Bulk density: 0.95 g/cm<sup>3</sup>  
pH: 6.0 – 7.0

## 10. STABILITY AND REACTIVITY

Conditions to avoid: Damp or slightly wet conditions also slowly liberate hazardous gases. (May gradually degenerate to Nitrogen Trichloride).  
Stability: Stable under normal conditions.  
Decomposition products: Decomposes above 240°C forming hazardous gases.  
Incompatible materials: Reacts with oxidising and reducing against to liberate hazardous gases.

## 11. TOXICOLOGY INFORMATION

Route of entry: Inhalation, skin contact and ingestion.  
Inhalation: Irritating to nose, mouth, throat and lungs.  
Ingestion: Irritation and burning to gastrointestinal tract.  
Skin and eyes: Can cause severe irritation and / or burns characterised by redness, swelling and scab.

## 12. ECOLOGICAL EFFECTS

Mobility: Partially soluble in water.  
Highly toxic to aquatic life: DO NOT discharge into lakes, ponds or stream. DO NOT discharge into public waters unless in accordance with consent to discharge orders.

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### 13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal should be in accordance with all official regulations and carried out via an approved disposal contractor. If material is dry, incineration is recommended.

Empty containers: As substance.

### 14. TRANSPORT INFORMATION

IMDG code  
UN no: 3077  
Packaging group: III  
Class: 9

ADR/RID  
Subst. ID no: 3077

EAC 2X

IATA/ICAO  
UN no: 3077

### 15. REGULATORY INFORMATION

Classification: Harmful, dangerous to the environment.

Risk phrases: R22: Harmful if swallowed.  
R31: Contact with acids liberates toxic gas.  
R36/37: Irritating to eyes and respiratory system.  
R50-53: Very toxic to aquatic organism, may cause long-term effects in the aquatic environment.

Safety phrases: S1/2: Keep locked up and out of reach of children.  
S8: Keep container dry.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S41: In case of fire and / or explosion do not breath fumes.  
S60: This material and / or its container must be disposed of as hazardous waste.  
S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

### 16. ADDITIONAL INFORMATION

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. Chemical Treatment Services Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.