

Material Safety Data Sheet
According to 91/155 EEC

1. Identification of the substance/preparation and of the company/undertaking

- **Trade Name:** **Stabilised Chlorine Granules**
- **Other names** Troclosene Sodium Dihydrate, Sodium Dichloroisocyanurate Dihydrate, Dichlor Granules, **Poolchlor Granules**, **Spachlor Granules**, **BOOST**, **Chlorine Granules**
- **Intended use of chemical** For disinfection of pool and spa water
- **Manufacturer/Supplier** E.J.Payne Ltd, 1 Belgrave Road, Longton, Stoke-on-Trent, Staffordshire, ST3 4PR
Tel: +44 (0) 1782 312534
Fax: +44 (0) 1782 599868

2. Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description** 51580 - 86 - 0 Dichloroisocyanurate Dihydrate,
- EINECS Number:
- EU Number:

3. Hazard Identification

- **Hazard description**



Harmful



Dangerous for the environment

- **Hazard information concerning particular hazards for human and the environment**

- 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.

4. First Aid measures

- **After inhalation:** Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid, or complete, seek medical attention.
- **After 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.
- **After eye contact:** Flush immediately with water for at least 15 minutes. If irritation persists seek medical attention.
- **After Ingestion:** Wash out mouth with water. **DO NOT INDUCE VOMITING.** If patient is conscious, give water to drink. Seek immediate medical attention.

5. Fire fighting measures

- **Special extinguishing media:** Water, CO₂ dry chemical powder, or appropriate foam.
- **Special exposure hazards in fire:** The product is not flammable.
Thermal decomposition occurs at above 240 OC
This can be extinguished by flooding with water or by isolating the decomposing material to open air and allowing it to be consumed.
- **Special protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes.

6. Accidental release Measures

- **Personal Protection** Use appropriate personal protective equipment as detailed in section 8.
- **Methods for cleaning:** Isolate area and warn others. DO NOT introduce water or other liquids to the spillage site. Sweep up and deposit in dry plastic sacks or drums. DO NOT put into bins or skips. Dispose of in accordance with appropriate local regulations.

7. Handling and storage

- **Personal Protection** Do not breathe dust. Use only in well-ventilated areas.
Do not get in eyes, on skin, on clothing.
Avoid prolonged or repeated exposure.
- **Storage** Keep container tightly sealed
Store in cool dry conditions

8. Exposure control/personal protection• **Exposure control limits and source:**

	8hr TWA		15min STEL		Authority
	ppm	mg/m ³	ppm	mg/m ³	
Chlorine	0.5	1.5	1	2.9	EH40

- **Hand Protection** Wear suitable chemical resistant gloves when handling this product. Disposable nitrile gloves are suitable providing regular changes of gloves are made.
- **Eye Protection** Wear appropriate safety goggles
- **Skin Protection** Avoid prolonged contact with skin by wearing appropriate clothing.

9. Physical and chemical properties

• Appearance at 20oC	White crystalline solid, granules
• Odour	Chlorine
• Specific gravity at 20oC	
• pH (conc)	6.0 - 7.0
• Melting point / range:	240-250 °C (Approx.)
• Flash Point	None
• Solubility in water	290 gm/litre @25 °C

10. Stability and reactivity

• Conditions to avoid	Damp or slightly wet conditions also slowly liberate hazardous gases. (May gradually degenerate to Nitrogen Trichloride)
• Materials to avoid	Stable under normal conditions
• Hazardous decomposition products	Decomposes above240 OC forming chlorine, nitrogen trichloride, nitrogen oxides, carbon dioxide, cyanates and carbon monoxides

11. Toxilogical Information

• Inhalation	Irritating to nose mouth throat and lungs	
• Ingestion	Irritation and burning to gastrointestinal tract.	
• Skin	Can cause severe irritation and / or burns characterised	
• Eyes		
• Toxicity	Oral LD50 (Rat)	1400 mg/kg (Slightly Toxic)

12. Ecological Information

• Mobility	Partially soluble in water.
• Persistence and degradability	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	
• Substance	Disposal should be in accordance with all official regulations and carried out via an approved disposal contractor. If material is dry, incineration is recommended
• Container	As substance

14. Transport Information	
• U N No	
• Proper shipping name	Environmentally Hazardous Substance, Solid, N.O.S. (Trichloroisocyanuric acid, dry)
• Class/division	9
• Packing group	III
• Hazard I D No	90
• EAC	2Z
• Pollutant	May be considered a marine pollutant

15. Regulatory information	
• Product Name	Stabilised Chlorine Granules
• Symbol	Xn; N
• Indications of danger	Harmful: Dangerous for 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 breathe 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. Other information	
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.	