

# SAFETY DATA SHEET



Product Name: **MULTI-POOL GRANULES**

SDS Reference **002**

Version No. **2**

Revision Date. **1/3/2006**

Authorisation date **January 05<sup>th</sup> 2005**

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** PLASTICA MULTI-POOL GRANULES  
**Synonym (s)** GRANULAR CHLORINE POOL AND SPA SANITISER. PROVIDING 56% AVAILABLE CHLORINE  
**Company Identification** PLASTICA LTD  
Perimeter House,  
Napier Road,  
St Leonards-on-Sea, East Sussex, TN38 9NY **Telephone +44 (0) 1424 857857**  
**Emergency Telephone** 09062 655005 (24hr)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation** TROCLOSENE SODIUM, DIHYDRATE > 90%  
**CAS number** 51580-86-0  
**EINECS number** 220-767-7  
**EC Index number** [Xn] R22; [-] R31; [Xi] R36/37; [N] R50/53;  
**Chemical Characterisation** COPPER SULPHATE < 1%  
**CAS number** 7758-98-7  
**EINECS number** 231-847-6  
**EC Index number** [Xn] R22; [Xi] R36/38; [N] R50/53;

## 3. HAZARDS IDENTIFICATION

### Physical & Chemical:



**HARMFUL**

### Health:

HARMFUL IF SWALLOWED.  
CONTACT WITH ACIDS LIBERATES TOXIC GAS.  
IRRITATING TO EYES AND RESPIRATORY SYSTEM



**DANGEROUS  
FOR THE  
ENVIRONMENT**

### Environmental:

VERY TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**4. FIRST AID MEASURES**

<b>Inhalation</b>	Mild poisoning causes a cough, irritation of the throat and shortness of breath. Congestion of the lungs may occur causing severe shortness of breath. Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.
<b>Skin contact</b>	There may be irritation and redness at the site of contact. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected area with running water for 10 minutes or longer if substance is still on skin.
<b>Eye contact</b>	There will be severe pain, redness and irritation. Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
<b>Ingestion</b>	There will be nausea and vomiting, occasionally with abdominal pain. Do not induce vomiting. If conscious, drink plenty of water and seek medical advice immediately.

**5. FIRE FIGHTING MEASURES**

<b>General hazard</b>	THE PRODUCT WILL BURN IN A FIRE
<b>Extinguishing media</b>	Drench with large amount of water, do NOT use small amount of water. Dry chemical powders containing ammonium compounds should NOT be used.
<b>Special exposure hazards</b>	Decomposes at 240-250°C generating harmful gases.
<b>Protective equipment</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
<b>Further information</b>	Avoid run-off water entering the drains (e.g. use barriers) Cool endangered containers with water (to prevent container explosion).

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions:</b>	Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition.
<b>Environmental precautions:</b>	Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas.
<b>Clean-up procedures:</b>	Do not allow to enter surface water courses. The creation and inhalation of dust must be avoided. Do not use equipment in clean-up procedure which may produce sparks. Sweep up spilt material into suitable containers for waste recovery or waste disposal. Do not use sawdust or any materials which may be oxidised.

**7. HANDLING & STORAGE**

<b>Advice on safe handling</b>	Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Smoking is forbidden. Use non-sparking tools.
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## 7. HANDLING & STORAGE

**Storage conditions** Store away from Calcium or Sodium Hypochlorite. Store away from acids and compounds containing ammonia. Store in cool, dry, well ventilated area. Avoid incompatible materials and conditions - see section 10 of SDS. Keep container tightly closed. Keep away from flammable and combustible materials.

**Suitable packaging:** Containers must be clean and free from organic residues.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure there is sufficient local exhaust ventilation.

**Respiratory protection:** Dust mask recommended.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles or face-shield. Ensure eye bath is to hand.

**Skin protection:** Wear appropriate clothing to prevent repeated or prolonged skin contact. Ensure safety shower is to hand.

**WEL (8 hr exposure limit):** 3 mg/m<sup>3</sup> Chlorine gas

**WEL (15 min exposure limit):** 1.5 mg/m<sup>3</sup> Cl gas

**Hazardous Ingredients** COPPER SULPHATE  
WEL (8 hr exposure limit): 1 mg/m<sup>3</sup> WEL (15 min exposure limit): 2 mg/m<sup>3</sup>

## 9. PHYSICAL & CHEMICAL PROPERTIES

**Physical form** Granules  
**Colour** White with blue speckles  
**Odour** Strong Chlorine  
**Boiling pt / range** °C  
**Melting pt / range** 240 °C  
**Flash point** > 150 °C  
**Auto flammability** °C  
**Water solubility** Soluble

## 10. STABILITY & REACTIVITY

**Stability** Stable under normal conditions of handling.

**Conditions to avoid** Moist air. Heat. Flames

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## 10. STABILITY & REACTIVITY

**Material to avoid** Nitrogen compounds. Calcium or Sodium Hypochlorite. Acids. Reducing agents. Organic materials. Ammonia compounds. Small amounts of water may cause an oxidising reaction resulting in the release of Nitrogen Trichloride.

**Hazardous reactions**

**Hazardous decomposition products** In contact with acid, Chlorine gas will be evolved.

## 11. TOXICOLOGICAL INFORMATION

**Effects of Exposure** Irritation of the eyes and mucous membranes.

**Routes of Exposure** Exposure by inhalation, skin and eye contact must be avoided. Exposure by ingestion must be avoided.

**Hazardous Ingredient** COPPER SULPHATE  
IVN RAT LD50 48900µg/kg  
ORL MUS LD50 369mg/kg  
ORL RAT LD50 520mg/kg

## 12. ECOLOGICAL INFORMATION

**Mobility** Decomposes slowly in water.

**Persistence and Degradability** No Data Available

**Bioaccumulative potential** No Data Available

**Further information** Highly toxic to aquatic organisms

## 13. DISPOSAL CONSIDERATIONS

**Advice on disposal** Do not discharge concentrated material into a sewer. Do not mix with Sodium or Calcium Hypochlorite. Shovel into clean closeable container. Dispose as special waste in consultation with the waste disposal company. When discharging to the sewer diluted material, such as swimming pool water, it is essential to ascertain prior to discharge that the Chlorine level present is acceptable to the sewage undertaker. In the case of solutions outside the limits for disposal by the sewer, the waste is classed as special waste by the Special Waste Regulations 1996 and must be disposed of by a licensed waste disposal contractor.

**Contaminated packaging** All residues must be removed from packaging prior to disposal as controlled waste.

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## 14. TRANSPORT INFORMATION

**United Nations number** NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS  
**Packaging group**  
**IMDG code**  
**RID / ADR**  
**ICAO / IATA**

## 15. REGULATORY INFORMATION

**Classification & labelling** The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 2002].



**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 organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases**

- S1/2: Keep locked up and out of the reach of children.
- S22: Do not breathe dust.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S29: Do not empty into drains.
- S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

## 16. OTHER INFORMATION

**Further information** Refer to the Manual Handling Operations Regulations 1992. Store in accordance with HSE Guidance Note CS17. Classed as special waste by the Hazardous Waste Regulations 2005.

**Sources of data** The Approved Supply List..EH40 (2002) and other suppliers' safety data sheets

**Risk Phrases used in Section 2**

- 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 organisms, may cause long-term adverse effects in the aquatic environment.
- R36/38 Irritating to eyes and skin

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**16. OTHER INFORMATION**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.