SAFETY DATA SHEET

Product Name: MULTI POOL TABLETS

Synonym (s) STABILISED CHLORINE TABLETS, TRICHLOR TABLETS, MULTI – FUNCTION TABS

Use(s) Chlorination of swimming pools

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) – (Charged at £1 per minute)

Email Address info@plasticapools.com

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

2. HAZARDS IDENTIFICATION

Physical & Chemical: CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE

OXIDISING

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

HARMFUL

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

DANGEROUS FOR THE ENVIRONMENT

DANGER

H302 Harmful if swallowed
EUH031 Contact with acid liberates toxic gas
H270 May cause or intensify fire; oxidiser
H320+335 Causes eye irritation; May cause respiratory irritation
H400+413 Very toxic to aquatic life; May cause long lasting harmful effects to aquatic life
2. HAZARDS IDENTIFICATION

P402+102  Store in a dry place: Keep away from children
P305+351  IF IN EYES: Rinse cautiously with water for several minutes
P370+380  In case of fire: Evacuate area
P273     Avoid release into the environment
P501     Dispose of contents/container to hazardous waste collection point

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Characterisation</th>
<th>ORGANIC AND INORGANIC PREPARATION WITH 90% ACTIVE CHLORINE</th>
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<tbody>
<tr>
<td>Chemical name</td>
<td>CAS-No</td>
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<tr>
<td>TRICHLOROISOCYANURIC ACID</td>
<td>87-90-1</td>
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<tr>
<td>ALUMINIUM SULPHATE</td>
<td>10043-01-3</td>
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<td>COPPER SULPHATE</td>
<td>7758-99-8</td>
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4. FIRST AID MEASURES

General information
Inhalation  Remove casualty to fresh air and provide warmth and rest. If necessary seek medical advice.
Skin contact Wash contaminated skin with soap and large quantities of water at least 15 minutes. If necessary seek medical advice. Remove contaminated clothing immediately and wash before re-use.
Eye contact  Immediately wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice (e.g. an ophthalmologist)
Ingestion   Do NOT induce vomiting. Drink plenty of water and if necessary seek medical advice
Further information

5. FIRE FIGHTING MEASURES

General hazard  THE PRODUCT WILL BURN IN A FIRE
Extinguishing media  To suit local surroundings (if possible large volumes of water)
Extinguishing media not to be used  Small volumes of water, foam, dry chemical
Special exposure hazards  The thermal decomposition products released should be considered toxic if inhaled. Do not approach fire from a leeward direction.
Protective equipment  Wear self-contained breathing apparatus and goggles. Do not approach from leeward.
Further information  Contact with combustible material may cause fire
Avoid run-off water entering the drains (e.g. use barriers)

6. ACCIDENTAL RELEASE MEASURES
**Product Name:** MULTI TABS  
**SDS Reference:** 006

### Methods for cleaning up
Adhere to personal protective measures. Take up mechanically (e.g. sweep or vacuum up) into a suitable container (e.g. plastic or glass). Label container and dispose of as prescribed.

### Environmental considerations
Do not allow the product to enter ground or waste water. If this occurs, inform the local water authority at once.

### 7. HANDLING & STORAGE

#### Advice on safe handling
Handle in accordance with good hygiene and safety practice.  
Keep the raising and deposition of dust to a minimum. Keep away from combustible materials (e.g. organic substances). Only use with equipment made from ceramics, plastic or glass. 
Keep away from sources of ignition - NO SMOKING!

#### Storage conditions
Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool (< 25°C) and dry. Keep away from sunlight and incompatible materials.

#### Further information
Avoid contact with nitrogen containing compounds (e.g. ammonia, urea, amines).

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure controls
Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls  
LTEL (8 hour TWA): ppm 2 mg/m³ WEL for aluminium salts, soluble 
LTEL (8 hour TWA): 0.5 ppm 1.5 mg/m³ (WEL for chlorine, EH40/2005) 
STEL (15 min): 1.0 ppm 2.9 mg/m³ (WEL for chlorine, EH40/2005)

#### Engineering controls
Ensure adequate ventilation of working area (e.g. local exhaust ventilation).

#### Personal protection
Observe normal standards for handling chemicals. Avoid breathing dust and any chlorine gas released. Avoid eye and skin contact. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)

#### Eye protection
Safety goggles (i.e. EN 166 approved)

#### Skin protection
Natural rubber latex gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

#### Respiratory protection
When dusty conditions are encountered. Wear a NIOSH/OSHA full face respirator with chlorine cartridge and dust pre filter.

#### Other protection
Protective overall

### 9. PHYSICAL & CHEMICAL PROPERTIES

#### Physical form
Solid

#### Colour
White with blue specks

#### Odour
Chlorine-like

#### pH
Of 10 g/l: 2.7-3.3
9. PHYSICAL & CHEMICAL PROPERTIES

- **Boiling pt / range**: Not applicable. °C
- **Melting pt / range**: approx. 225 °C (decomposes)
- **Flash point**: Not flammable °C
- **Bulk density**: approx. 0.95 g/cm³
- **Explosive limits**: Lower: % (v/v) Higher: % (v/v)
- **Water solubility**: 10 g/l @ 25°C

10. STABILITY & REACTIVITY

- **Stability**: Stable under normal conditions of handling.
- **Thermal decomposition**: 225°C. Exothermic decomposition with evolution of toxic gases.
- **Conditions to avoid**: Heat, small quantities of water, contact with combustible materials.
- **Material to avoid**: The product is incompatible with oxidisable substances, acids and nitrogen containing chemicals.
- **Hazardous reactions**: Exothermic reactions may occur with oxidisable organic or inorganic substances. Reaction with acids causes release of chlorine. Reacts violently with small volumes of water to generate explosive nitrogen trichlorides.
- **Hazardous decomposition products**: Chlorine.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity**: LD₅₀ mouse (oral) 1000 mg/kg
- **Dermal compatibility**: Moderate irritant causing erythema and oedema (rabbit)
- **Mucous membrane compatibility**: Severely irritant (rabbit eye)
- **Further information**: All data are for Trichloroisocyanuric acid.

12. ECOLOGICAL INFORMATION

- **Acute toxicity**: LC₅₀ Fish mg/l No data available
- **Degradability**: No data available
- **Further information**: Trichloroisocyanuric acid is toxic to fish and aquatic organisms. Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

13. DISPOSAL CONSIDERATIONS

- **Advice on disposal**: In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
- **Contaminated packaging**: Disposal of contaminated packing as chemical waste in accordance with local and national regulations.
14. TRANSPORT INFORMATION

United Nations number  UN 2468
Packaging group  II
IMDG code  5.1/2468/II
RID / ADR  5.1, II
ICAO / IATA  5.1/2468/II
Marine pollutant  The product should not be marked as a marine pollutant.
Proper shipping name  TRICHLOROISOCYANURIC ACID, DRY, MIXTURE
Emergency action code  2WE
Further information

15. REGULATORY INFORMATION

Classification & labelling  The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1] Contains Trichloroisocyanuric acid

<table>
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<th>HARMFUL</th>
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Risk phrases  
- R8  CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE
- 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 ADVERS EFFECTS IN THE AQUATIC ENVIRONMENT

Safety phrases  
- S2  KEEP OUT OF THE 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 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
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<table>
<thead>
<tr>
<th>Further information</th>
<th>The safety data sheet has been revised in the following sections: 1; 2; 3; 14 and 15.</th>
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<tbody>
<tr>
<td><strong>Risk phrases referred to in section 2</strong></td>
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<tr>
<th>Sources of data</th>
<th>The Approved Supply List. EH40/2005 and other suppliers’ safety data sheets</th>
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<td>Date of issue</td>
<td>05-06-2006</td>
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