



Company Details:

Waterwell Projects (PTY) LTD

Reg No. 2001/018862/07

Waterwell Projects (PTY) LTD
Unit 4/5 Megazone Park
Hertford Junction R512
Lanseria
1748

Tel: 011 300 9917/8 or 073 077 0973

Fax: 086 605 9360

Poison Centre: **+27 21 689 5227**

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

a) Identification of the substance or preparation :

- 1.1. **Trade / Commercial Name:** Waterwell Chlor Guard (packed 1kg / 25kg)
1.2. **Chemical Name:** Isocyanuric Acid
1.3. **Formula:** $C_3H_3N_3O_3$
1.4. **Chemical Family:** Organic acid
1.5. **Synonyms:** s-Triazinetrione; Tricarbimide; Isocyanuric acid;
Seudocyanuric acid; Pool Stabiliser
1.6. **Un No.** none allocated
1.7. **CAS No.** 108-80-5

b) Information of Distributor :

Waterwell Projects (PTY) LTD
Unit 4 Megazone Park
Hertford Junction R512
Lanseria 1748
Tel: 011 300 9917/8 or 073 077 0973
Fax: 086 605 9360

Alternate suppliers:

CJP Chemicals (Pty) Ltd
P. O. Box 1353
Cresta 2118
32 Tiger Moth ave
Aeroton 2190
Tel: 011 494 6700
Fax: 011 494-6701

or: Crossmill Chemicals CC
P O Box 1272
Lonehill 2062
34 Renico Crescent Lea Glen,
Roodepoort, Gauteng 2195
Tel: 011 472 4986
Fax: 011 472 0730

2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous ingredient	% w/w	Hazard classification	Risk phrases
Isocyanuric acid	min. 98%	None	

3. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of NOHSC;
NON-HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods for transport: NON-DANGEROUS GOODS.

Poisons Schedule:

S5 Caution.

4. FIRST AID MEASURES

Swallowed

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice.

Eye

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin

If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

Inhaled

Remove victim from area of exposure- avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reactions of patient. Aggravated medical conditions caused by exposure
No information available on medical conditions aggravated by exposure to this product.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Not combustible, however, if material is involved in a fire use fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Keep containers cool with water spray.

Hazards from Combustion Products

Non -combustible solid. Avoid generating dust.

Incompatible with strong oxidising agents, ethanol and sources of ignition. Decomposes on heating emitting toxic fumes, including those of isocyanic acid gas, oxides of carbon, oxides of nitrogen, and cyanide gas.

Special Protective Precautions and Equipment for Fire Fighters

Fire fighters should wear a positive -pressure self - contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources.

Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

Flammability Conditions

Product is a non - flammable solid

Additional Information

Hazchem Code

N/A

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Isolate spill or leak area immediately.

Methods and materials for containment and clean up:

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation.

Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Safety Phrases are: S26, S36. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable protective clothing.

Storage & transport:

No special storage and transport requirements. This product has no UN classification. This product is a S5 Poison.

Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask.

Keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Orica Personal Protection Guide No. 1, 1998: E - O
OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder or granules.
Odour :	No odour.
Decomposes at:	320-360°C
Density:	2.5 g/cm ³
Solubility in water:	g/100ml at 25°C: 0.27
pH:	4.8 (Saturated solution)

Vapour pressure: Pa at 25°C: ca. 0 mm Hg (1 atmosphere)

Octanol/water partition coefficient as log Pow: <0.3

10. STABILITY AND REACTIVITY

Chemical stability: Stable.

Conditions to avoid: Avoid contact with foodstuffs.
Avoid exposure to moisture.

Incompatible materials: Incompatible with chlorine , and ethanol .

Hazardous decomposition products: Isocyanic acid gas.

Hazardous reactions: Hazardous polymerisation will not occur

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Skin contact: Contact with skin may result in irritation.

Inhalation: Breathing in dust may result in respiratory irritation.

Long Term Effects: No information available for the product.

Toxicological Data:

Oral LD50 (rat): 7700 mg/kg.

SKIN: Mild irritant (rabbit).

EYES: Mild irritant (rabbit).

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Use or reuse if possible.

Disposal methods: Refer to Waste Management Authority. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods for transport: NON-DANGEROUS GOODS.

The information herein is given in good faith and to the best of our knowledge at the current date. The accomplishment of the instructions herein does not exempt the user from following the legal and administrative regulations relative to product, environmental safety and hygiene, which are user's own responsibility. In case of mixture with other substances, ensure that other risks are not generated.

Date of Revision: 21 August 2014 (general revision)