

## Section 1: Identification of the Substance and the Supplier.

**Product Name:** **Dishmachine Powder**  
**Recommended use:** Dishmachine powdered cleaner  
**Company details:** Aakland Chemicals (1997) Ltd  
**Address:** 12 Wigram Close, Sockburn  
PO Box 323, Christchurch 8140  
**Telephone number:** +64 3 341 8490 **Facsimile:** +64 3 341 8491  
**Email:** [aakland.chemicals@xtra.co.nz](mailto:aakland.chemicals@xtra.co.nz)  
**Emergency Phone No:** 0800 243 622 (0800 CHEMCALL) for out of hours advice

## Section 2: Hazards identification

**HSNO classifications:** 6.1 E May be harmful if swallowed  
6.3 A Causes skin irritation  
6.9 B May cause damage to lungs  
8.3 A Causes serious eye damage  
9.1 C Toxic to aquatic life  
9.2 C Harmful to the soil environment  
9.3 C Harmful to terrestrial vertebrates

## Section 3: Information on Ingredients

Components	CAS Number	Proportion
Sodium carbonate	497-19-8	20-30 % w/w
Pentasodium tripolyphosphate	7758-29-4	35-50 % w/w
Sodium disilicate	1344-09-8	20-30 % w/w
Sodium dichloroisocyanurate	2893-78-9	1-5 % w/w
Surfactant	61702-77-0	1-5 % w/w

## Section 4: First Aid Measures

**First Aid:** Call a Doctor or National Poisons Centre 0800 POISON (0800 764 766) following first aid treatment.  
**Skin Contact:** Rinse skin with plenty of water. Wash contaminated clothing before re-use. Call a POISON CENTRE or doctor if skin irritation occurs.  
**Eye Contact:** Rinse with water for several minutes, remove contact lenses if present and easy to do, continue rinsing. **Seek medical attention.**  
**Ingestion:** Rinse mouth, do **NOT** induce vomiting. Call a POISONS CENTRE or doctor if you feel unwell.  
**Inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

**Medical attention and special treatment:** Treat symptomatically

## Section 5: Fire Fighting Measures

**Hazards from combustion products:** At extreme temperatures chlorine gas and toxic organic vapours may evolve including oxides of carbon, sulphur and silicon

**Precautions for fire fighters and special protective equipment:** Wear self-contained breathing apparatus & protective clothing when in confined spaces.

**Suitable extinguishing media:** All means of extinguishing are acceptable.

**Hazchem:** 2X

## Section 6: Accidental Release Methods

**Method and materials for containment and clean up:** Sweep up dust and transfer to plastic drums for approved disposal. Wash away very small spills with water, avoid contamination of waterways.

## Section 7: Handling and Storage

**Precautions for safe handling:** Avoid contact with water or excess humidity. Do not breathe dusts. Use only with good ventilation.

**Conditions for safe storage:** Store dry, separately as for corrosive alkali. Store away from foodstuffs. Store separately from strong acids. Keep out of Reach of Children.

## Section 8: Exposure controls/Personal protection

**Workplace Exposure guidelines:** Particulates not otherwise classified:

WES-TWA 10mg/m<sup>3</sup> Inspirable dust

WES-TWA 3mg/m<sup>3</sup> Respirable dust

**Ventilation specification:**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible

**Personal Protective equipment:**

Wear protective clothing, eye-protection, dust mask

## Section 9: Physical and Chemical Properties

**Physical state:** Powder

**Colour:** Off white

**Odour:** N/A

**Solubility in water:** 100%

**pH:** 1% Solution 11-11.5 approx

## Section 10: Stability and Reactivity

<b>Chemical Stability:</b>	Product is stable
<b>Conditions to avoid:</b>	Strong acids, Humidity
<b>Material to avoid:</b>	Aluminium and other soft metals
<b>Hazardous reactions:</b>	May react vigorously with strong acids

## Section 11: Toxicological Information

<b>Ingestion:</b>	ENDPOINT: LD50 VALUE: approx 2000 mg/kg REFERENCE: Calculated based on component chemicals using mixture rules set out in the following: <a href="http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf">http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf</a>
<b>Eye contact:</b>	Not Determined
<b>Skin contact:</b>	ENDPOINT: LD50 VALUE: >5000 mg/kg REFERENCE: Calculated based on component chemicals using mixture rules set out in the following: <a href="http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf">http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf</a>
<b>Inhalation:</b>	ENDPOINT: LD50 VALUE: >5 mg/L REFERENCE: Calculated based on component chemicals using mixture rules set out in the following: <a href="http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf">http://www.ermanz.govt.nz/resources/publications/pdfs/Assigning%20a%20Hazardous%20Substance%20to%20a%20Group%20Standard.pdf</a>
<b>Long term effects:</b>	Not Determined

## Section 12: Ecological information

The following data is for 100% Sodium Dichloroisocyanurate

**Ecotoxicity:** SPECIES: Salmo gairdneri (Fish, estuary, fresh water)  
TYPE OF EXPOSURE: Static  
DURATION: 96 hr  
ENDPOINT: LC50  
VALUE: 0.13 mg/l  
REFERENCE SOURCE: DELSA Barcelona  
[IUCRID 2000]

**Biocumulative:** No  
**Rapidly Degradable:** Yes

## Section 13: Disposal considerations

**Disposal methods:** Dispose of the product and packaging at an approved landfill or other approved facility. Avoid contamination of waterways.

## Section 14: Transport information

**Road and Rail Transport:** Not Classified as a Dangerous Good under NZS 5433:2007 (Transport of Dangerous Goods on Land)  
**Marine, Air Transport:** Similar listing as for Road and Rail Transport apply

## Section 15: Regulatory Information

**ERMA NZ Approval:** HSR 002530 Cleaning Products (Subsidiary) Group Standard  
**NZFSA Approved** (all animal products except dairy) C31

## Section 16: Other information

**Disclaimer:** This SDS summarises our best knowledge at the date of issue, the chemical health and safety limits of the material and general guidance on how to safely handle the material in the workplace. Since Aakland Chemicals (1997) Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Aakland Chemicals (1997) Ltd

Revision History: Version 2.1 created on December 2009.  
Updated to version 2.2 on August 2013. Reason for update: Periodical Review.