



Paramount Pools & Spas

a division of PoolQuip Limited

North Island:

PO Box 12840, Penrose, Auckland, New Zealand
282 Neilson Street, Onehunga, Auckland, New Zealand
Phone: 0064 9 634 9097 E-Mail: info@poolquip.co.nz

South Island:

PO Box 8622 Riccarton, Christchurch, New Zealand
75 Blenheim Road, Riccarton, Christchurch New Zealand
Phone: 0064 3 343 3441 E-Mail: paramount.chc@xtra.co.nz



If you have a Chemical Emergency phone 111 and ask for Fire
In case of Poisoning contact The National Poisons Centre on 0800 POISON (0800 764 766)
The most current version of this document is available online at www.poolquip.co.nz

MATERIAL SAFETY DATA SHEET (MSDS)

1.0 Product & Company Information

Revision Date: April 2011

Product Name: **Cartridge Cleaner**

Other Names: **Hard Surface Cleaner**

Uses: Cleaning of Pool and Spa Filter Elements

Distributor Details: As per header at top of page, and any of our authorised retailers & distributors.

2.0 Hazard Data

Not Classified as Dangerous Goods according to NZS 5433:1999

Risk Phrases: R34 Causes burns

ERMA New Zealand Approval Code: HSR002526

HSNO Hazard Classification: 8.2C, 8.3A

3.0 Composition

| | |
|--------------------|-------------------------|
| Chemical Name: | Disodium Trioxosilicate |
| CAS Number: | 6834-92-0 |
| Percentage Rating: | < 10% |

| | |
|--------------------|-------|
| Anionic Surfactant | < 10% |
| Solvent | < 10% |
| Builder | < 10% |
| Dye | < 10% |
| Water | > 60% |

4.0 First Aid Measures

Show this MSDS to a Doctor

| | |
|-------------------|--|
| Swallowed: | If swallowed do NOT induce vomiting. |
| Eyes: | Immediately flush eyes with water and continue flushing for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye or onto the face. Seek immediate medical attention. |
| Skin: | Remove contaminated clothing and flush skin/hair with running water. Consult a doctor. |
| Inhaled: | Remove from source of exposure to fresh air. Seek medical assistance if the effects persist. |
| Advice to Doctor: | Treat symptomatically based on individual reactions of patient and judgement of doctor. |

5.0 Fire Fighting Measures

| | |
|----------------------------------|--|
| Extinguishing Media | Spillages are slippery. Ensure adequate ventilation. Keep spectators away – rope off the area. Avoid accidents, clean up immediately. Wear protective equipment to avoid personal contamination.. |
| Hazards from Combustion Products | This product is non-combustible; however the packaging material may burn to emit noxious fumes. May react with aluminium, zinc, tin and alloys and may liberate hydrogen gas which is extremely flammable. |
| Special Protective | Fire fighters should wear a positive-pressure self-contained |

| | |
|---|---|
| Precautions and Equipment for Fire Fighters | breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). |
| Hazchem Code | None |

6.0 Accidental Release Measures

| | |
|--|--|
| Emergency Procedures | Spillages are slippery. Ensure adequate ventilation. Keep spectators away |
| Methods and Materials for Containment and Clean Up | <p>Contain the spill and prevent run off into confined areas, drains and waterways. Small Spills neutralise with dilute acid such as an acetic acid and safely mop up the spill. The area may be washed with excess water. Large Spills absorb with dry earth, sand or other similar material. Collect and seal in properly labelled drums for disposal in an area approved by local authority by-laws. Neutralise excess with dilute acid such as acetic acid and safely mop up the spill. The area may be washed with excess water.</p> <p>Incineration of disposed material is not recommended, as it is unlikely to adequately burn.</p> |

7.0 Handling & Storage

| | |
|---|--|
| Precautions for Safe Handling | Keep containers closed at all times – check regularly for leaks or spills. Transport and store upright. Avoid eye contact and repeated or prolonged skin contact. Do not eat, drink or smoke in contaminated areas. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. |
| Conditions for Safe Storage (Including any compatibles) | Store in original container, in a cool, dry, well-ventilated area out of sunlight and away from incompatible materials and food stuffs. Keep containers closed when not in use to ensure contamination does not occur. Do not combine part drums of the same product, as this may be a source of contamination. Do not mix with other chemicals. Do not store in galvanised containers or use die-cast zinc or aluminium bungs; plastic bungs should be used. Check regularly for leaks. |

8.0 Exposure Controls / Personal Protection

| | |
|-----------------------------|---|
| National Exposure Standards | No value assigned to this specific material by SWA. |
| Biological Limit Values | No biological limit allocated. |
| Engineering Controls | Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with a local exhaust ventilation or while wearing a respirator. Keep containers closed when not in use. |
| Personal Protection | The product is alkaline. Protective equipment should be worn. Risk assessments should always be conducted to identify the hazards and in turn determine the appropriate personal protective equipment for the hazards. Recommended: Gloves, Eye Protection, Respiratory Protection |

9.0 Physical and Chemical Properties

| | |
|-------------------------|--|
| Appearance | Clear Dark Blue Mobile Liquid |
| Formula | Not Available |
| Odour | Solvent Odour |
| Vapour Pressure | No information available |
| Boiling Point | Not Available |
| Melting Point | Not Available |
| Solubility in Water | Not Available |
| Specific Gravity | G.G 1.07 |
| Flash Point | Not Available |
| pH | 12.8 to 13.6 |
| Rate of Solid Materials | Fire Accelerant |
| Additional Information | Self Life: 2 years from manufacturing date. Percent Volatiles: Approximately 88% at 100 Deg C |

10.0 Stability and Reactivity

| | |
|----------------------------------|---|
| Chemical Stability | Stable under normal conditions of use. |
| Conditions to Avoid | Do not combine part drums of the same product, as this may be a source of contamination. |
| Incompatible Materials | Strong acids and galvanised soft metals. |
| Hazardous Decomposition Products | The packaging material may burn to emit noxious fumes. Corrosive sodium oxide vapours may be generated at high temperature. |
| Hazardous Reactions | Reacts exothermically with acids. Prolonged contact with the neat |

product may affect galvanised soft metals.

11.0 Toxicological Information

| | |
|---------------|--|
| Toxicity Data | No adverse effects expected if the product is handled in accordance with this Safety data Sheet and the product label. No Long Term information Available Toxicity for Disodium Trioxosilicate (< 10%): LC50 Gambusia affinis 2320 mg/l/96h (ph 8.9 – 10.1) |
| Swallowed | Can be severely irritating if swallowed, may result in cramps, vomiting and diarrhoea. |
| Eye | Moderate to severe eye irritation and if left untreated may cause severe damage. |
| Skin | Mild to moderate skin irritation and may defat the skin with continual use. If left untreated may cause severe irritation and burning. |
| Inhaled | Mists or sprays may produce respiratory irritation. |

12.0 Ecological Information

| | |
|-------------------------------|---|
| Ecotoxicity | No data available |
| Persistence and Degradability | Product is considered readily biodegradable to AS4351 |
| Mobility | No information available |

13.0 Disposal Considerations

| | |
|---|--|
| Disposal | Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.. |
| Special Precautions for Land Fill or Incineration | The product is suitable for disposal by landfill through an approved agent. Incineration of the product is not recommended, as it is unlikely to adequately burn |

14.0 Transport Information

Land and Sea Transport

| | |
|-----------------------|-------------------|
| UN Number | None |
| Shipping Name | Cartridge Cleaner |
| Dangerous Goods Class | None |
| Packing Group | None |
| Hazchem Code | None |

15.0 Regulatory Information

Classified as hazardous according to The Australian Safety and Compensation Council (ASCC) and Annex I European Directive 67/548/EEC. EINECS No: 231-908-7 Calcium Hypochlorite

| | |
|------------------------------|-------------------------|
| Poisons Schedule (Australia) | 5 |
| EPG | |
| AICS Name | Disodium Trioxosilicate |
| NZ Toxic Substance | |
| HSNO Hazard Classification | 8.1A 8.2C 8.3A |
| ERMA Approval Code | HSR0002526 |

16.0 Other Information

Disclaimer

This document is a summary of the health and safety information made available to PoolQuip by the individual chemical manufacturers. Whilst great care has been taken to ensure this information is accurate and current, PoolQuip Limited cannot be held liable for any incorrect information.