

**1. Identification of Substance & Company**

<b>PRODUCT</b>		
<b>Product Name</b>	Poolquip SPA Cartridge Cleaner	
<b>Other Names</b>	Cartridge Cleaner	
<b>HSNO Approval</b>	HSR002684	
<b>Approval Description</b>	Water Treatment Chemicals (Corrosive) GS 2020	
<b>UN Number</b>	UN1760	
<b>DG Class</b>	8	
<b>Proper Shipping Name</b>	CORROSIVE LIQUID, N.O.S. (Contains sodium metasilicate)	
<b>Packing Group</b>	III	
<b>Hazchem Code</b>	2X	
<b>Uses</b>	Pool Chemical	
<b>COMPANY DETAILS</b>		
<b>Company</b>	<b>Poolquip (2018) Ltd</b>	
<b>Physical Address</b>	20 Ascot Road Mangere Auckland 2022 New Zealand	PO Box 53090 Airport Oaks Auckland 2020 New Zealand
<b>Telephone</b>	64 9 634 9097	
<b>Fax</b>	64 9 634 1020	
<b>Website</b>	<a href="http://www.paramountpools.co.nz">www.paramountpools.co.nz</a>	

**Emergency Telephone Number: 0800 764 766**

**2. Hazard Identification**

**APPROVAL**

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO), approval HSR002684, Water Treatment Chemicals (Corrosive) GS 2020). The substance has been assessed as hazardous according to the criteria in the Hazardous Substances (Hazard Classification) Notice 2020 and is classified as follows:

**CLASSIFICATIONS**

Classification Skin Corrosion 1C  
Classification Eye Damage 1

**HAZARD STATEMENTS**

Causes severe skin burns and eye damage  
Causes serious eye damage - omitted

**SYMBOLS**

**DANGER**



**OTHER CLASSIFICATIONS**

There are no other classifications that are known to apply.

**PRECAUTIONARY STATEMENTS**

Keep out of reach of children.  
Read carefully and follow all instructions.  
Do not breathe mist.  
Wash hands thoroughly after handling.  
Wear protective clothing, gloves, and eye or face protection.  
If medical advice is needed, have product container or label at hand.  
IF SWALLOWED: Rinse mouth. Do NOT Induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.  
Store locked up.  
Dispose of contents and container in accordance with local, regional, national, and international regulations.

### 3. Composition / Information on Ingredients

Disposal of contents and container in accordance with local, regional, national and international regulations.

Component	CAS/Identification	Conc (%)
Disodium Metasilicate	6834-92-0	<10%
Alcohols, C12-14, Ethoxylated	68439-50-9	<10%
2-Butoxyethanol	111-76-2	<10%

At the levels used in the product, these ingredients are considered either hazardous or dangerous goods according to the GHS.

### 4. First Aid

#### GENERAL INFORMATION

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed, burned or irritated by this product. The number is **0800 764 766 (0800 POISON)** (24hr emergency service).

**Recommended First Aid Facilities** Ready access to running water is required. Accessible eyewash is required.

#### EXPOSURE

<b>Swallowed</b>	<b>IF SWALLOWED:</b>	Call a POISON CENTRE or doctor/physician if you feel unwell. Rise mouth. DO NOT induce vomiting.
<b>Eye Contact</b>	<b>IF IN EYES:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
<b>Skin Contact</b>	<b>IF ON SKIN:</b>	Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.
<b>Inhaled</b>	<b>IF INHALED:</b>	Generally, inhalation of vapour is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.

#### ADVICE TO DOCTOR

Treat symptomatically.

### 5. Firefighting Measures

<b>Fire and explosion hazards:</b>	None Known
<b>Suitable extinguishing substances:</b>	Whatever is suitable for the surrounding fire.
<b>Unsuitable extinguishing substances:</b>	N/A
<b>Products of combustion:</b>	Packaging may evolve toxic gases (Carbon oxides, Hydrocarbons) when heated to decomposition.
<b>Protective equipment:</b>	Firefighters should wear standard firefighting gear for treating chemical fires.
<b>Hazchem code:</b>	2X

### 6. Accidental Release Measures

<b>Containment:</b>	Wipe up with absorbent material (e.g. Cloth, Fleece).
<b>Emergency procedures:</b>	N/A
<b>Clean-up method:</b>	Keep in suitable, closed containers for disposal.
<b>Disposal:</b>	Keep in suitable, closed containers for disposal.
<b>Precautions:</b>	N/A

### 7. Storage and Handling

<b>Storage:</b>	Normal measures for preventive fire protection.
<b>Handling:</b>	For PPE see section 8.

### 8. Exposure Controls / Personal Protective Equipment

#### WORKPLACE EXPOSURE CONTROLS

NZ Workplace Exposure Standards	Ingredient	WES_TWA*	WES-STEL
N/A	Disodium Metasilicate	Not established	Not established
	Alcohols, C12-14, Ethoxylated	Not established	Not established
	2-Butoxyethanol	Not established	Not established

\*These workplace exposure standards are also Prescribed Exposure Standards (PES) under the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

#### ENGINEERING CONTROLS

In industrial situations, it is expected that employee exposures to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or capours are high, you are advised to modify processes or increase ventilation.

## PERSONAL PROTECTIVE EQUIPMENT

### EYES



Avoid Contact with eyes. Use safety glasses and or chemical splash goggles if dusts are possible. Select eye protection in accordance with AS/NZS 1337.

### SKIN



Protective gloves are recommended. Neoprene or PVC Gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS 3765.1 or AS 3765.2. PVC or rubber boots must comply with AS/NZ 2210.1.

### Respiratory



A respirator when airborne concentrations approach the WES (Section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS 1716 and selected, used and maintained in accordance with AS/NZS 1715. Use a respirator with a dust filter. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary.

## WES ADDITIONAL INFORMATION

N/A

## 9. Physical and Chemical Properties

Appearance	Blue Liquid
Odour	None
pH	11.2
Vapour pressure	No information available
Viscosity	No information available
Boiling Point	No information available
Volatile materials	No information available
Freezing / Melting point	No information available
Solubility	Ready soluble in water
Specific gravity / Density	No information available
Flash Point	No information available
Danger of explosion	No information available
Auto-ignition temperature	No information available
Upper & lower flammable limits	No information available
Corrosiveness	Corrosive

## 10. Stability & Reactivity

Stability	Stable under normal conditions of use.
Conditions to be avoided	Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames.
Incompatible groups	No information available
Substance specific incompatibility	No information available
Hazardous decomposition products	No information available
Hazardous reactions	No information available

## 11. Toxicological Information

### SUMMARY

IF SWALLOWED:	Product may be mildly irritating, but is unlikely to cause more than mild transient discomfort.
IF IN EYES:	Product may cause damage to eyes. Flush immediately. Seek medical attention if irritation persists.
IF ON SKIN:	Product may be mildly irritating, but is unlikely to cause more than mild transient discomfort.
IF INHALED:	Product may be mildly irritating, but is unlikely to cause more than mild transient discomfort.

### SUPPORTING DATA

Carcinogenicity	SWA: No significant ingredient is classified as carcinogenic by SWA, NTP or IARC. LD <sub>50</sub> (oral): 12950
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## 12. Ecological Data

### SUMMARY

Bioaccumulative potential: Low.

### SUPPORTING DATA

Acute EC <sub>50</sub>	>10g/l	Bacteria	3 hours
Acute EC <sub>50</sub>	0.4 to 4.3 mg/l	Fresh Water	Daphnia 48 hours Static
Acute ErC <sub>50</sub> (growth rate)	1.23 to 2.9 mg/l	Algae	72 hours Static
Acute LC <sub>50</sub>	1.1 to 2.6 mg/l	Fish	96 Hours
Chronic EC <sub>10</sub>	0.137 mg/l	Algae	72 hours Static
Chronic EC <sub>10</sub>	0.355 to 0.803 mg/l	Fresh Water	Daphnia 21 days
Chronic EC <sub>10</sub>	0.079 mg/l	Fish	21 days
Persistence / degradability: Product is biodegradable - 28 days.			

### 13. Disposal Considerations

**Disposal methods:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with local, state and federal regulations or recycled/reconditioned at an approved facility. **Landfills:** Contact a specialist disposal company or the local waste regulator for advice.

### 14. Transport Information

Classified as **DANGEROUS GOODS** by the NZTA (Land Transport Rule: Dangerous Goods 2005 and GHS).

<b>UN Number:</b>	UN1760
<b>Proper Shipping Name:</b>	CORROSIVE LIQUID, N.O.S. (Contains sodium metasilicate)
<b>Classes:</b>	8
<b>Packing Group:</b>	III
<b>Precautions:</b>	Corrosive
<b>Hazchem Code:</b>	2X

### 15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code HSR002684, Water Treatment Chemicals (Corrosive) GS 2020. All ingredients appear on the NZIoC.

#### SPECIFIC CONTROLS

**Key workplace requirements are:**

<b>SDS</b>	To be available within 10 minutes in workplaces storing any quantity.
<b>Inventory</b>	All inventory of all hazardous substances must be prepared and maintained.
<b>Packaging</b>	All hazardous substances should be appropriately packaged including substances decanted, transferred or manufactured for own use or have been supplied.
<b>Labelling</b>	Must comply with the Hazardous Substances (Labelling) Notice 2017.
<b>Emergency plan</b>	Required if >100kg is stored.
<b>Certified handler</b>	Not required
<b>Tracking</b>	Not required
<b>Bunding &amp; secondary containment</b>	Required if >100kg is stored.
<b>Signage</b>	Required if >100kg is stored.
<b>Location compliance certificate</b>	Required if >1000kg (closed) or >100kg (open) is stored in any one location.
<b>Flammable zone</b>	Not required
<b>Fire extinguisher</b>	Not required

NOTE: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

#### OTHER LEGISLATION

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, Local Council Rules and Regional Council Plans.

### 16. Other Information

#### ABBREVIATIONS

<b>Approval code</b>	Approval HSR002684, Water Treatment Chemicals (Corrosive) GS 2020. Controls, EPA <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>
<b>CAS Number</b>	Unique Chemical Abstracts Service Registry Number
<b>Ceiling</b>	Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
<b>Controls Matrix</b>	List of default controls linking regulation numbers to a Matrix code (e.g. T1, I16).
<b>EC<sub>50</sub></b>	Ecotoxic Concentration 50% - concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species).
<b>EPA</b>	Environmental Protection Authority (New Zealand)
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters.
<b>HSNO</b>	Hazardous Substances and New Organisms (Act and Regulations).
<b>IARC</b>	International Agency for Research on Cancer.
<b>LEL/UEL</b>	Lower Explosive Limit / Upper Explosive Limit.
<b>LD<sub>50</sub></b>	Lethal Dose 50% - dose which is fatal to 50% of a test population (usually rats).
<b>LC<sub>50</sub></b>	Lethal Concentration 50% - concentration in air which is fatal to 50% of a test population (usually rats).
<b>NZIoC</b>	New Zealand Inventory of Chemicals.
<b>MSDS (SDS)</b>	Material Safety Data Sheet (or Safety Data Sheet)
<b>PES</b>	Prescribed Exposure Standard means a WES or a biological exposure standard that is prescribed in a regulation, a safe work instrument or an approval under HSNO (including Group Standards).
<b>STEL</b>	Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded.
<b>TWA</b>	Time Weighted Average - generally referred to WES averaged over typical work day (usually 8 hours).
<b>UN Number</b>	United Nations Number.
<b>WES</b>	Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone.

**REFERENCES****Data**

Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).

**Controls**

EPA notices, [www.epa.govt.nz](http://www.epa.govt.nz), Health and Safety at Work (Hazardous Substances) Regulations 2017, [www.legislation.govt.nz](http://www.legislation.govt.nz)

**WES**

The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site - [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

## Other References:

Suppliers SDS, EU ECHA, ingredients SDS's, ChemIDplus

**REVIEW****Date:**

June 2018

August 2023

**Reason for review**

Not applicable - new SDS

5 yearly review, HSNO to GHS 7

**DISCLAIMER**

This SDS is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely GHS 7 classifications for this SDS have been estimated based on general information from the supplier (e.g. hazard, toxicological).