

# Safety Data Sheet

according to WHS Regulations

Printing date 02.07.2020

Revision: 02.07.2020

## 1 Identification

**Product Name:** FILTRITE CELL CLEANER

**Recommended Use of the Chemical and Restriction on Use:**  
Salt water chlorinator for swimming pool - electrolytic cell descaler

**Details of Manufacturer or Importer:**

Clark Rubber  
254 Canterbury Road  
Bayswater VIC 3153

**Phone Number:** +61 3 8727 9999

**Emergency telephone number:** +61 3 8727 9999

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corrosion/Irritation 1A      H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1   H318 Causes serious eye damage.

**Signal Word** Danger

**Hazard Statements**

H314 Causes severe skin burns and eye damage.

**Precautionary Statements**

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.



P501 Dispose of contents/container in accordance with local/regional/national regulations.

## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

CAS: 7647-01-0	Hydrochloric acid	<10%
	 Skin Corrosion/Irritation 1A, H314; Serious Eye Damage/Irritation 1, H318;  STOT SE 3, H335	

(Contd. on page 2)

# Safety Data Sheet


## according to WHS Regulations

Printing date 02.07.2020

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**Product Name: FILTRITE CELL CLEANER**

(Contd. of page 1)

CAS: 7664-38-2	Phosphoric acid	<10%
	 Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/Irritation 1, H318; Acute Toxicity (Inhalation) 4, H332	

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation.

Skin Contact: May cause severe irritation and skin burns.

Eye Contact: May cause severe irritation, corneal burns, permanent injury.

Ingestion: May cause nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**Medical Attention and Special Treatment:** Treat symptomatically and supportively.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Water fog, foam, dry chemical, alcohol foam or carbon dioxide. Water spray may be used to cool containers.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, nitrogen and phosphorus.

Reacts with alkalis and oxidising agents to generate heat. If undiluted product contacts aluminium or tin surfaces, hydrogen gas is generated. Chlorine gas is generated in contact with chlorinated products.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

(Contd. on page 3)

# Safety Data Sheet

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Printing date 02.07.2020

Revision: 02.07.2020

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(Contd. of page 2)

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Check regularly for leaks. Do not store this product in metal containers. Protect from direct sunlight, heat, sparks, open flames. Keep away from alkalis, oxidising agents to generate heat, aluminium or tin surfaces and chlorinated products.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 7647-01-0 Hydrochloric acid**NES | Peak limitation: 7.5 mg/m<sup>3</sup>, 5 ppm**CAS: 7664-38-2 Phosphoric acid**NES | STEL: 3 mg/m<sup>3</sup>  
TWA: 1 mg/m<sup>3</sup>**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

**Respiratory Protection:**

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear red
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	1.6 (1% w/w)
<b>Melting point/freezing point:</b>	Not applicable
<b>Initial Boiling Point/Boiling Range:</b>	~100 °C

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Printing date 02.07.2020

Revision: 02.07.2020

**Product Name: FILTRITE CELL CLEANER**

(Contd. of page 3)

<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	No information available
<b>Relative Density:</b>	1.07-1.09 (Water = 1)
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Alkalis, oxidising agents, aluminium or tin surfaces and chlorinated products.

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen and phosphorus.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values Relevant for Classification:**

**CAS: 7647-01-0 Hydrochloric acid**

Oral	LD <sub>50</sub>	40 mg/kg (mouse) (Intraperitoneal)
	LD <sub>50</sub>	900 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /1 h	3124 ppm (rat)

**CAS: 7664-38-2 Phosphoric acid**

Oral	LD <sub>50</sub>	1530 mg/kg (rat)
Dermal	LD <sub>50</sub>	2740 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /1 h	>850 mg/m <sup>3</sup> (rat)

### Acute Health Effects

**Inhalation:** Can cause respiratory irritation.

**Skin:** Can cause severe irritation and skin burns. Corrosive to skin.

**Eye:** A severe eye irritant. Corrosive to eyes. Contact can cause corneal burns, permanent injury.

### Ingestion:

Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

### Carcinogenicity:

Hydrochloric acid is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

(Contd. on page 5)

# Safety Data Sheet

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Printing date 02.07.2020

Revision: 02.07.2020

**Product Name: FILTRITE CELL CLEANER**

(Contd. of page 4)

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No effects known.

### 12 Ecological Information

**Ecotoxicity:** No information available**Aquatic toxicity:** This material is expected to be toxic to aquatic life.**Persistence and Degradability:** When released into the soil, this material is not expected to biodegrade.**Bioaccumulative Potential:** No information available**Mobility in Soil:** When released into the soil, this material may leach into groundwater.

### 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 Transport Information

<b>UN Number</b>	
<b>ADG, IMDG, IATA</b>	UN3264
<b>Proper Shipping Name</b>	
<b>ADG, IMDG, IATA</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	8 Corrosive substances.
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	III
<b>EMS Number:</b>	F-A,S-B
<b>Hazchem Code:</b>	2X
<b>Special Provisions:</b>	223, 274
<b>Limited Quantities:</b>	5L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC03, LP01
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T7
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP1, TP28

### 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 7647-01-0 Hydrochloric acid

(Contd. on page 6)

# Safety Data Sheet

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Printing date 02.07.2020

Revision: 02.07.2020

**Product Name: FILTRITE CELL CLEANER**

(Contd. of page 5)

CAS: 7664-38-2 Phosphoric acid

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
Poisons Schedule: 5

### 16 Other Information

**Date of Preparation or Last Revision:** 02.07.2020**Last Revision of MSDS:** 22.01.2010**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Inhalation) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Data altered compared to the previous version:** Section 2, 4, 6 and 8.**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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