

Safety Data Sheet

according to WHS Regulations

Printing date 23.05.2019

Revision: 23.05.2019

1 Identification

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:**

Swimming pool chemical, algicide and biocide.

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).



flame over circle

Oxidising Solids 2

H272 May intensify fire; oxidiser.



corrosion

Skin Corrosion/Irritation 1B

H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1

H318 Causes serious eye damage.



environment

Aquatic Acute 1

H400 Very toxic to aquatic life.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Signal Word Danger**Hazard Statements**

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Precautionary Statements

P210 Keep away from heat. - No smoking.

P220 Keep/Store away from clothing/combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 23.05.2019

Revision: 23.05.2019

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE

(Contd. of page 1)

P260	Do not breathe dusts or mists.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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.
P370+P378	In case of fire: Use to extinguish: CO ₂ , powder or water spray.
P391	Collect spillage.
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: 7778-54-3	Hypochlorous acid, calcium salt	>60%
	 Oxidising Liquids 2, H272; Oxidising Solids 2, H272;  Skin Corrosion/Irritation 1B, H314;  Aquatic Acute 1, H400;  Acute Toxicity (Oral) 4, H302	

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 swelling, redness, blistering or irritation occurs.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. Chlorine, evolved from decomposition when wet, is a severe respiratory irritant, corrosive, and highly toxic. Delayed effects can include shortness of breath, headache, pulmonary oedema, and pneumonia.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes eye damage. Contamination of eyes can result in permanent injury.

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

(Contd. on page 3)

Safety Data Sheet

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Revision: 23.05.2019

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE

(Contd. of page 2)

5 Fire Fighting Measures

Suitable Extinguishing Media: Water spray (flooding quantities).

Specific Hazards Arising from the Chemical:

Material decomposes on contact with acids or water evolving toxic chlorine gas.

May intensify fire; oxidiser. May support the combustion of other materials like wood, paper or clothing. May react explosively with hydrocarbons (fuels). Containers may explode when heated. Runoff may create fire or explosion hazard. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

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 approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. 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. Vacuum or sweep up spill and place in suitable containers for reuse or disposal. Avoid generating dust.

7 Handling and Storage

Precautions for Safe Handling:

May intensify fire; oxidiser.

Contact with acids liberates toxic chlorine gas.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

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 and out of direct sunlight. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from water, ammonium nitrate, acids and chloroisocyanurates.

Material decomposes on contact with acids or water evolving toxic chlorine gas.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 7782-50-5 Chlorine

NES	Peak limitation: 3 mg/m ³ , 1 ppm
WES	Peak limitation: 3 mg/m ³ , 1 ppm

Engineering Controls:

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

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 23.05.2019

Revision: 23.05.2019

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE

(Contd. of page 3)

Respiratory Protection:

Use an approved 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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Solid
Colour:	White
Odour:	Pungent, chlorine odour
Odour Threshold:	Not determined.
pH-Value:	11.5 (5% aqueous solution)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	May intensify fire; oxidiser.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Relative Density at 20 °C:	2.1 g/cm ³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble in water
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

May intensify fire; oxidiser.
Contact with acids liberates toxic chlorine gas.

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

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Water, acids, ammonium nitrate and chloroisocyanurates.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 23.05.2019

Revision: 23.05.2019

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE

(Contd. of page 4)

Hazardous Decomposition Products:

Decomposes on contact with acids or water evolving toxic chlorine gas.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 7778-54-3 Hypochlorous acid, calcium salt**Oral LD₅₀ 850 mg/kg (rat)**Acute Health Effects****Inhalation:**

May cause respiratory irritation. Chlorine, evolved from decomposition when wet, is a severe respiratory irritant, corrosive, and highly toxic. Delayed effects can include shortness of breath, headache, pulmonary oedema, and pneumonia.

Skin: Causes severe skin burns.**Eye:** Causes eye damage. Contamination of eyes can result in permanent injury.**Ingestion:**

Harmful if swallowed. May cause nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Skin Corrosion / Irritation: Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes eye damage.**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:** This product does NOT contain any IARC listed chemicals.**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 information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity: Very toxic to aquatic organisms. Expected to be harmful to terrestrial species.**Aquatic toxicity:****CAS: 7778-54-3 Hypochlorous acid, calcium salt**EC₅₀/24 h 700 mg/l (striped bass larvae)**Persistence and Degradability:** This material is biodegradable.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

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Revision: 23.05.2019

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE

(Contd. of page 5)

Other adverse effects: No further relevant information available.

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

UN Number ADG, IMDG, IATA	UN2880
Proper Shipping Name ADG, IMDG, IATA	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water
Dangerous Goods Class ADG Class:	5.1 Oxidising substances.
Packing Group: ADG, IMDG, IATA	II
Marine pollutant:	No
EMS Number:	F-H,S-Q
Hazchem Code:	1W
Special Provisions:	314,322
Limited Quantities:	1 kg
Packagings & IBCs - Packing Instruction:	P002, IBC08
Packagings & IBCs - Special Packing Provisions:	PP85, B2, B4, B13

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 7778-54-3 | Hypochlorous acid, calcium salt

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

Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 23.05.2019**Prepared by:** MSDS.COM.AU Pty Ltdwww.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 percentLD₅₀: 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)

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

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Revision: 23.05.2019

Product Name: 001 FILTRITE PREMIUM GRANULAR POOL CHLORINE

(Contd. of page 6)

Oxidising Liquids 2: Oxidising liquids, Hazard Category 2

Oxidising Solids 2: Oxidising solids, Hazard Category 2

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

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

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

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

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 - February 2016”

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