

Safety Data Sheet

according to WHS Regulations

Printing date 23.07.2019

Revision: 23.07.2019

1 Identification

Product Name: FILTRITE SPA ULTRA SHOCK

Other Means of Identification:

Other Name: Pot peroxymono sulphate, potassium peroxymonosulphate, potassium monopersulphate

Recommended Use of the Chemical and Restriction on Use:

Pool shock treatment, paper repulping, laundry bleach and cleaning compound.

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.



health hazard

Respiratory Sensitisation 1

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



corrosion

Skin Corrosion/Irritation 1B

H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1

H318 Causes serious eye damage.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Skin Sensitisation 1

H317 May cause an allergic skin reaction.

STOT SE 3

H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

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H335 May cause respiratory irritation.

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.
P260	Do not breathe dusts or mists.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory 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).
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use to extinguish: CO ₂ , powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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: 10058-23-8	Peroxymonosulfuric acid, monopotassium salt ⚠ Oxidising Solids 2, H272; ⚠ Skin Corrosion/Irritation 1B, H314; ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302; STOT SE 3, H335	<50%
CAS: 7646-93-7	Potassium hydrogensulphate ⚠ Skin Corrosion/Irritation 1B, H314; ⚠ STOT SE 3, H335	<25%
CAS: 546-93-0	Carbonic acid, magnesium salt (1:1)	<5%
CAS: 7727-21-1	Potassium persulphate ⚠ Oxidising Solids 3, H272; ⚠ Respiratory Sensitisation 1, H334; ⚠ Acute Toxicity (Oral) 4, H302; ⚠ Skin Corrosion/Irritation 2, H315; ⚠ Serious Eye Damage/Irritation 2A, H319; ⚠ Skin Sensitisation 1, H317; STOT SE 3, H335	<5%

4 First Aid Measures

Inhalation:

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

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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, 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. Give 2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation with coughing and discomfort. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Contact: Causes severe skin burns. Temporary body hair loss may occur in contacted areas. May cause an allergic skin reaction. Human patch tests with the product diluted in water at concentrations up to 150 ppm did not cause allergic skin reactions.

Eye Contact: Causes serious eye damage and ulceration.

Ingestion: Harmful if swallowed. Effects may include gastritis possibly progressing to necrosis or haemorrhage with large overexposures.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Will release oxygen if heated.

This product is non combustible, but may intensify fire; oxidiser.

Large masses of this material may trap heat leading to ignition of combustible packing materials. Contact with combustible material may cause fire.

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. Avoid generating dust.

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 sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with plenty of water.

7 Handling and Storage

Precautions for Safe Handling:

May intensify fire; oxidiser. Reaction with halogen compounds generates halogen gases. Reaction with cyanides may generate hydrogen cyanide gas. Reaction with metal salts may generate oxygen gas.

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

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proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed and dry when not in use. Protect from direct sunlight and heat. Stack on pallets providing air space; closely stacked bags should not exceed 1.2m. Store away from reducing agents, combustible materials, halogen compounds, cyanides and metal salts.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 546-93-0 Carbonic acid, magnesium salt (1:1)**WES TWA: 10 mg/m³**CAS: 7727-21-1 Potassium persulphate**WES Peak limitation: 0.01 mg/m³
Sen**Engineering Controls:**

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

Respiratory Protection:

Use an approved full face supplied air respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of dust, 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.

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 granular, free flowing
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	2.3 (1% solution)
Melting point/freezing point:	Decomposes
Initial Boiling Point/Boiling Range:	Decomposes
Flash Point:	Not applicable
Flammability:	May intensify fire; oxidiser
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available

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Vapour Pressure:	Not applicable.
Relative Density at 20 °C:	1.1
Vapour Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water at 25 °C:	25.6 g/l
Viscosity:	Not applicable

10 Stability and Reactivity

Possibility of Hazardous Reactions:

May intensify fire; oxidiser.
 Reaction with halogen compounds generates halogen gases.
 Reaction with cyanides may generate hydrogen cyanide gas.
 Reaction with metal salts may generate oxygen gas.

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

Conditions to Avoid: Heat and direct sunlight.

Incompatible Materials:

Reducing agents, combustible materials, halogen compounds, cyanides and metal salts.

Hazardous Decomposition Products: Decomposition releases oxygen gas.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 10058-23-8 Peroxymonosulfuric acid, monopotassium salt**

Oral	LD ₅₀	200-2,000 mg/l (rat)
Dermal	LC ₅₀	>11,000 mg/l (rabbit)
Inhalation	LC ₅₀	>5 mg/l (rat)

CAS: 7646-93-7 Potassium hydrogensulphate

Oral	LD ₅₀	2,340 mg/kg (rat)
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CAS: 546-93-0 Carbonic acid, magnesium salt (1:1)

Oral	LD ₅₀	8,000 mg/kg (rat)
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CAS: 7727-21-1 Potassium persulphate

Oral	LD ₅₀	802 mg/kg (rat)
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Acute Health Effects**Inhalation:**

May cause respiratory irritation with coughing and discomfort. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin:

Causes severe skin burns. Temporary body hair loss may occur in contacted areas. May cause an allergic skin reaction. Human patch tests with the product diluted in water at concentrations up to 150 ppm did not cause allergic skin reactions.

Eye: Causes serious eye damage and ulceration.

Ingestion:

Harmful if swallowed. Effects may include gastritis possibly progressing to necrosis or haemorrhage with large overexposures.

Skin Corrosion / Irritation: Causes severe skin burns.

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Serious Eye Damage / Irritation: Causes serious eye damage.**Respiratory or Skin Sensitisation:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

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:** May cause respiratory irritation.**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:**

Effects may include gastritis possibly progressing to necrosis or haemorrhage with large overexposures.

Existing Conditions Aggravated by Exposure:

Individuals with pre-existing diseases of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity: No information available**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No 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

UN3084

Proper Shipping Name
ADG, IMDG, IATACORROSIVE SOLID, OXIDIZING, N.O.S.
(Peroxymonosulfuric acid, monopotassium salt,
Potassium hydrogen sulphate)**Dangerous Goods Class****ADG Class:**

8 Corrosive substances.

Subsidiary Risk:

5.1 Oxidising Substances.

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Packing Group: ADG, IMDG, IATA	II
EMS Number:	F-A,S-Q
Hazchem Code:	2W
Special Provisions:	274
Limited Quantities:	1 kg
Packagings & IBCs - Packing Instruction:	P002, IBC06
Packagings & IBCs - Special Packing Provisions:	B2
Portable Tanks & Bulk Containers - Instructions:	T3
Portable Tanks & Bulk Containers - Special Provisions:	TP33

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 10058-23-8	Peroxymonosulfuric acid, monopotassium salt
CAS: 7778-80-5	Potassium sulfate
CAS: 7646-93-7	Potassium hydrogensulphate
CAS: 546-93-0	Carbonic acid, magnesium salt (1:1)
CAS: 7727-21-1	Potassium persulphate

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 23.07.2019**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)

Oxidising Solids 2: Oxidising solids, Hazard Category 2

Oxidising Solids 3: Oxidising solids, Hazard Category 3

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

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

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

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

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Respiratory Sensitisation 1: Respiratory sensitisation, Hazard Category 1

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

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

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Disclaimer

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