

Safety Data Sheet

according to WHS Regulations

Printing date 02.07.2020

Revision: 02.07.2020

1 Identification

Product Name: FILTRITE ULTIMATE OXYSHOCK

Other Means of Identification: Mixture

Other Name: Pot Peroxymono Sulphate, Potassium Peroxymonosulphate, Potassium Monopersulphate

Recommended Use of the Chemical and Restriction on Use:

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

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	<50%
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 for at least 15 minutes. Seek medical attention.

Eye Contact:

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

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, coughing and discomfort. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Contact: Causes severe skin burns or ulceration. May cause temporary hair loss in contact areas. May cause an allergic skin reaction.

Eye Contact: Causes serious eye damage and ulceration.

Ingestion: Harmful if swallowed. May cause gastritis leading to necrosis and haemorrhaging of the gastrointestinal tract.

5 Fire Fighting Measures

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

Specific Hazards Arising from the Chemical:

Decomposition releases oxygen. Contact with metal salts can release oxygen.

May intensify fire; oxidiser. Product itself is non-combustible.

Storage of large masses of this product may cause heat to build up, igniting packaging.

Grinding or vigorous mixing may cause ignition.

Containers close to fire should be removed if safe to do so.

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 dust/particulate filter respirator 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 into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Flush the spill area with low-pressure water.

7 Handling and Storage

Precautions for Safe Handling:

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. Contaminated work clothing must not be allowed out of the workplace. 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. Protect from heat.

May cause fire or explosion; strong oxidiser. Do not store in direct sunlight.

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Keep away from water, compounds containing halogens or halides, such as sodium dichloroisocyanuride, cyanides and heavy metal salts such as cobalt, nickel, copper or manganese.

Stack on pallets providing sufficient air space. Closely stacked bags should not exceed 1.2 m.

8 Exposure Controls and Personal Protection

Exposure Standards:

Nuisance dust:

TWA: - ppm / 10 mg/m³STEL: - ppm / - mg/m³**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

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Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Impervious elbow-length 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:** Granular free-flowing solid.**Colour:** White**Odour:** Odourless**Odour Threshold:** No information available**pH-Value:** 2.3 (1% solution)**Melting point/freezing point:** Not applicable**Initial Boiling Point/Boiling Range:** Not applicable**Flash Point:** Not applicable**Flammability:** May intensify fire; oxidiser.**Auto-ignition Temperature:** Not applicable**Decomposition Temperature:** No information available**Explosion Limits:****Lower:** Not applicable**Upper:** Not applicable**Vapour Pressure:** Not applicable.

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Relative Density:	1.1
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water at 25 °C:	25.6 g/L Soluble
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.
May intensify fire; oxidiser.

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

Conditions to Avoid: Heat.

Incompatible Materials:

Water, compounds containing halogens or halides, such as sodium dichloroisocyanuride, cyanides and heavy metal salts such as cobalt, nickel, copper or manganese.

Hazardous Decomposition Products:

Decomposition releases oxygen. Contact with compounds containing halogens or halides releases halogens. Contact with cyanides can release hydrogen cyanide gas. Contact with metal salts can release oxygen.

11 Toxicological Information

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

Oral	LD ₅₀	200 mg/kg (rat)
Dermal	LD ₅₀	>11000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	>5 mg/L (rat)

CAS: 10058-23-8 Peroxymonosulfuric acid, monopotassium salt

Oral	LD50	200-2000 mg/l (rat)
Dermal	LC50	>11000 mg/l (rabbit)
Inhalation	LC50	>5 mg/l (rat)

CAS: 7778-80-5 Potassium sulfate

Oral	LD50	6600 mg/kg (rat)
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CAS: 7646-93-7 Potassium hydrogensulphate

Oral	LD50	2340 mg/kg (rat)
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CAS: 7727-21-1 Potassium persulphate

Oral	LD50	802 mg/kg (rat)
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Acute Health Effects**Inhalation:**

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

Skin:

Causes severe skin burns or ulceration. May cause temporary hair loss in contact areas. May cause an allergic skin reaction.

Eye: Causes serious eye damage and ulceration.

Ingestion:

Harmful if swallowed. May cause gastritis leading to necrosis and haemorrhaging of the gastrointestinal tract.

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

May cause an allergic skin reaction.

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

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:** Overexposure may cause necrosis and haemorrhaging of the gastrointestinal tract.**Existing Conditions Aggravated by Exposure:**

Pre-existing skin and gastrointestinal conditions may be aggravated by exposure.

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:****CAS: 7778-80-5 Potassium sulfate**LC₅₀/96 h | 3500 mg/L (bluegill)**CAS: 546-93-0 Carbonic acid, magnesium salt (1:1)**LC₅₀/96 h | > 1000 ppm**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**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**

UN3260

Proper Shipping Name**ADG, IMDG, IATA**CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Peroxymonosulfuric acid, monopotassium salt,
Potassium hydrogen sulphate)

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Dangerous Goods Class	
ADG Class:	8 Corrosive substances.
Packing Group:	
ADG, IMDG, IATA	III
EMS Number:	F-A,S-B
Hazchem Code:	2X
Special Provisions:	223, 274
Limited Quantities:	5 kg
Packagings & IBCs - Packing Instruction:	P002, IBC08, LP02
Packagings & IBCs - Special Packing Provisions:	B3
Portable Tanks & Bulk Containers - Instructions:	T1
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: 02.07.2020

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)
 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

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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