

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 05.09.2014

Revision: 05.09.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: FILTRITE OXYFRESH

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 . HAZARDS IDENTIFICATION

Hazardous Nature:



flame over circle

Ox. Sol. 2 H272 May intensify fire; oxidiser.



skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.



health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

Label Elements

Signal Word Danger

Hazard Statements

H272 May intensify fire; oxidiser.

H301 Toxic 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.

H335 May cause respiratory irritation.

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Precautionary Statements

- P221 Take any precaution to avoid mixing with combustibles.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P284 Wear respiratory protection.
- P220 Keep/Store away from clothing/combustible materials.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- 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.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P363 Wash contaminated clothing before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P330 Rinse mouth.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P310 Immediately call a POISON CENTER/doctor.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- 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:		
10058-23-8	Peroxymonosulfuric acid, monopotassium salt ⚠ Ox. Sol. 2, H272; ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318	<50%
7646-93-7	Sulfuric acid, monopotassium salt ⚠ Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	<25%
546-93-0	Carbonic acid, magnesium salt (1:1)	<5%
7727-21-1	Peroxydisulfuric acid (((HO)S(O)2)2O2), dipotassium salt ⚠ Ox. Sol. 3, H272; ⚠ Resp. Sens. 1, H334; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	<5%

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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 immediate medical attention.

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

Information for Doctor**Symptoms Caused by Exposure:**

Inhalation: Causes irritation of the upper respiratory passages with coughing and discomfort and nose bleeds.
Skin contact: Skin contact with aqueous solutions or the dry powder upon contact with moisture or perspiration may cause skin burns or ulceration. Temporary body hair loss may occur in contacted areas.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray. Do not use carbon dioxide or other gas-filled fire extinguishers. They will have no effect on decomposing persulfates.

Specific Hazards Arising from the Chemical:

Will release oxygen if heated.

Does not ignite. Non combustible. Storage of large masses of this material can trap heat and lead to ignition of paper bags. Grinding or intensive mixing may cause ignition of oxidizing material present. Contact with combustible material may cause fire.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved dust mask and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid formation of 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 formation of dust. Provide adequate ventilation.

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. Avoid 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

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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 packages sealed and dry. Protect from heat, sparks, open flames and other sources of ignition. Avoid contact with combustible materials. Stack on pallets providing air space. Closely stacked bags should not exceed 1.2m.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**546-93-0 Carbonic acid, magnesium salt (1:1)**NES | TWA: 10 mg/m³**7727-21-1 Peroxydisulfuric acid (((HO)S(O)2)2O2), dipotassium salt**NES | Peak limitation: 0.01 mg/m³**Engineering Controls:**

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

Personal Protective Equipment (PPE):**Respiratory Protection:**

Use a Safe Work Australia approved dust mask or particulate 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.

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/Melting range:** Decomposes**Initial Boiling Point/Boiling Range:** 1689 °C

Decomposes

Flash Point: Not applicable**Flammability:** Contact with combustible material may cause fire.**Auto-ignition Temperature:** No information available

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Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Relative Density at 20 °C:	1.1 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water at 25 °C:	(25.6 g/l)

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 and other sources of ignition.

Incompatible Materials:

The mixture with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixture with sodium dichloroisocyanuride or with sodium chloride can cause release of chlorine gas, mixture with cyanides can cause release of hydrogen cyanide gas, and heavy metal salts such as those of cobalt, nickel, copper, or manganese cause the evolution of oxygen.

Hazardous Decomposition Products: Decomposition releases oxygen gas.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD ₅₀ /LC ₅₀ Values Relevant for Classification:		
10058-23-8 Peroxymonosulfuric acid, monopotassium salt		
Oral	LD ₅₀	200-2000 mg/l (rat)
Dermal	LC ₅₀	>11000 mg/l (rabbit)
Inhalation	LC ₅₀	>5 mg/l (rat)
7646-93-7 Sulfuric acid, monopotassium salt		
Oral	LD ₅₀	2340 mg/kg (rat)
7727-21-1 Peroxydisulfuric acid (((HO)S(O)2)2O2), dipotassium salt		
Oral	LD ₅₀	802 mg/kg (rat)

Acute Health Effects

Inhalation:

Causes irritation of the upper respiratory passages with coughing and discomfort and nose bleeds.

Skin:

Skin contact with aqueous solutions or the dry powder upon contact with moisture or perspiration may cause skin burns or ulceration. Temporary body hair loss may occur in contacted areas. Skin contact with the product may cause allergic skin reactions in sensitive individuals. Human patch tests with the product diluted in water at concentrations up to 150 ppm did not cause allergic skin reactions.

Eye:

Eye contact may cause eye corrosion or ulceration. Severe eye damage may result if not immediately treated.

Ingestion: Toxic if swallowed. Effects may include gastritis possibly progressing to necrosis or hemorrhage. .

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

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Respiratory or Skin Sensitisation:

Sensitization possible through inhalation.
Sensitization possible through skin contact.

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.

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.

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

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	3260
Proper Shipping Name ADG, IATA	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Peroxymonosulfuric acid, monopotassium salt, POTASSIUM HYDROGEN SULPHATE)
IMDG	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Peroxymonosulfuric acid, monopotassium salt, POTASSIUM HYDROGEN SULPHATE)
Dangerous Goods Class ADG Class: IMDG Class:	8 (CO2) Corrosive substances. 8 Corrosive substances.
Packing Group: ADG, IMDG, IATA	II
Marine pollutant:	No

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EMS Number: F-A,S-Q
Hazchem Code: 2X
Special Provisions: 274
Limited Quantities: 1 kg
Packagings & IBCs - Packing Instruction: P002, IBC08
Packagings & IBCs - Special Packing Provisions: B2, B4
Portable Tanks & Bulk Containers - Instructions: T1
Portable Tanks & Bulk Containers - Special Provisions: TP33

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

10058-23-8	Peroxymonosulfuric acid, monopotassium salt
7778-80-5	Sulfuric acid, dipotassium salt
7646-93-7	Sulfuric acid, monopotassium salt
546-93-0	Carbonic acid, magnesium salt (1:1)
7727-21-1	Peroxydisulfuric acid (((HO)S(O)2)2O2), dipotassium salt

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

Poisons Schedule: 6

16 . OTHER INFORMATION

Creation Date: 05.09.2014**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 Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
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)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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