

# Safety Data Sheet

according to WHS Regulations

Printing date 23.05.2019

Revision: 23.05.2019

## 1 Identification

**Product Name: 064 FILTRITE SPA FILTER DEGREASER**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:**

Degreasing powder for cleaning oil body grease from sand filters by soaking in a dilution 20-40g/L.

**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 1B      H314 Causes severe skin burns and eye damage.

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



STOT SE 3      H335 May cause respiratory irritation.

**Signal Word** Danger

**Hazard Statements**

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary Statements**

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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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: 497-19-8	Sodium carbonate ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ STOT SE 3, H335	10 - 30%
CAS: 6834-92-0	Disodium metasilicate ⚠ Skin Corrosion/Irritation 1B, H314; ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ STOT SE 3, H335	>20%
CAS: 1310-73-2	Sodium hydroxide ⚠ Skin Corrosion/Irritation 1A, H314; ⚠ STOT SE 3, H335	2 - <5%

### 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. 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, 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 1-2 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 and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.**Skin Contact:** Causes severe skin burns.**Eye Contact:** Causes serious eye damage. May cause conjunctivitis, corneal burns and ulceration, leading to permanent injury and blindness.**Ingestion:** Corrosive to mucous membranes. Ingestion causes pain, nausea, vomiting, swelling of larynx and subsequent suffocation.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog, foam, dry chemical or carbon dioxide.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and silica.

This product is not flammable.

Containers close to fire should be removed only 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 respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Product is slippery if spilt.

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**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 disposal. Avoid generating dust.

Liquid spill - absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal

## 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. 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 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 oxidising agents, cyanides and strong acids.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 1310-73-2 Sodium hydroxide**NES Peak limitation: 2 mg/m<sup>3</sup>WES Peak limitation: 2 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:**

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:**

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 solid

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<b>Colour:</b>	White
<b>Odour:</b>	Pine odour
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	12-12.5 (1% solution)
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	Not applicable
<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>	Not applicable.
<b>Density:</b>	No information available
<b>Relative Density:</b>	No information available
<b>Vapour Density:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not applicable
<b>Solubility in Water at 20 °C:</b>	99 %
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>% Volatiles by Volume:</b>	0.5-10 %

## 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:** Oxidising agents, cyanides and strong acids.

**Hazardous Decomposition Products:** Oxides of carbon and silica.

## 11 Toxicological Information

### Toxicity:

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>CAS: 497-19-8 Sodium carbonate</b>		
Oral	LD <sub>50</sub>	4090 mg/kg (rat)
<b>CAS: 6834-92-0 Disodium metasilicate</b>		
Oral	LD <sub>50</sub>	1280 mg/kg (rat)
<b>CAS: 1310-73-2 Sodium hydroxide</b>		
Oral	LD <sub>50</sub>	2000 mg/kg (rat)

### Acute Health Effects

#### Inhalation:

May cause respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.

**Skin:** Causes severe skin burns.

#### Eye:

Causes serious eye damage. May cause conjunctivitis, corneal burns and ulceration, leading to permanent injury and blindness.

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**Ingestion:**

Corrosive to mucous membranes. Ingestion causes pain, nausea, vomiting, swelling of larynx and subsequent suffocation.

**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** No sensitising effects known.**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:** No information available**Existing Conditions Aggravated by Exposure:** No information available

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:****CAS: 497-19-8 Sodium carbonate**

EC <sub>50</sub> /48 h	265 mg/l (daphnia)
LC <sub>50</sub> /96 h	300 mg/l (Iepomis macrochirus)
EC <sub>50</sub> /120hr	242 mg/l (algae)

**CAS: 6834-92-0 Disodium metasilicate**

EC <sub>50</sub> /48 h	1,700 mg/l (daphnia)
EC <sub>50</sub> /72 h	207 mg/l (algae)
LC <sub>50</sub> /96 h	210 mg/l (fish)

**CAS: 1310-73-2 Sodium hydroxide**

EC <sub>50</sub> /48 h	40.38 mg/l (daphnia)
LC <sub>50</sub> /96 h	125 mg/l (mosquito fish)
	45.4 mg/l (rainbow trout)

**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.

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## 14 Transport Information

<b>UN Number ADG, IMDG, IATA</b>	UN3262
<b>Proper Shipping Name ADG, IMDG, IATA</b>	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium carbonate, Disodium metasilicate, sodium hydroxide)
<b>Dangerous Goods Class ADG Class:</b>	8 Corrosive substances.
<b>Packing Group: ADG, IMDG, IATA</b>	II
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-D,S-U
<b>Hazchem Code:</b>	2X
<b>Special Provisions:</b>	274
<b>Limited Quantities:</b>	1 kg
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P002, IBC08
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	B2, B4
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T3
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP33

## 15 Regulatory Information

### Australian Inventory of Chemical Substances:

CAS: 497-19-8	Sodium carbonate
CAS: 6834-92-0	Disodium metasilicate
CAS: 1310-73-2	Sodium hydroxide

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

## 16 Other Information

**Date of Preparation or Last Revision:** 23.05.2019**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://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)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: 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)

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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

**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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