



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 25.06.2014

Revision: 25.06.2014

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** FILTRITE PH DOWN / FILTRITE SPA PH DOWN

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

Flux for decomposing minerals, substitute for sulphuric acid in dyeing, disinfectant, manufacture of sodium hydrosulphate, sodium sulphate and soda alum, liberating carbon dioxide in carbonic acid baths, in thermophores, carbonizing wool, manufacture of magnesia cements, paper, soap, perfumes, foods, industrial cleaners, metal pickling compounds and lab reagent.

**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:**



corrosion

Eye Dam. 1 H318 Causes serious eye damage.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H318 Causes serious eye damage.

**Precautionary Statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

7681-38-1	Sulfuric acid, monosodium salt	Eye Dam. 1, H318	>92%
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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 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.

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**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.

**5 . FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Foam, carbon dioxide and dry chemical powder.

**Specific Hazards Arising from the Chemical:**

If involved in a fire, this material may release toxic fumes of oxides of sulfur due to thermal decomposition. Non combustible material.

**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 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 disposal. Avoid generating dust. Do not spray with 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. 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 moisture (water). Keep away from alkalis, bases, calcium hypochlorite and sodium carbonate, reducing and oxidizing agents.

**8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Standards:**

Nuisance dust:

TWA: - ppm / 10 mg/m<sup>3</sup>

STEL: - ppm / - 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.

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

Select respirator based on its suitability to provide adequate worker protection for given working conditions and level of airborne contamination. See Australian Standards AS/NZS 1715 and 1716 for more information. Use air-purifying respirator when airborne chemical dust or mist may be present.

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**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.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Solid - powder or crystals
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	1.3 (1% solution)
<b>Melting point/Melting range:</b>	180 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Not applicable.
<b>Flammability:</b>	Non flammable
<b>Auto-ignition Temperature:</b>	No information available
<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>Relative Density at 20 °C:</b>	2.435 g/cm <sup>3</sup>
<b>Vapour Density:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not applicable.
<b>Solubility in Water at 25 °C:</b>	280 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:** Moisture, water.

**Incompatible Materials:**

Alkalis, bases, calcium hypochlorite and sodium carbonate, reducing and oxidizing agents.

**Hazardous Decomposition Products:** Oxides of sulfur.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:**

**7681-38-1 Sulfuric acid, monosodium salt**

Oral LD<sub>50</sub> 2490 mg/kg (rat)

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### Acute Health Effects

**Inhalation:** Dust may cause irritation to upper respiratory tract.

**Skin:** Contact with skin will result in severe irritation.

### Eye:

A severe eye irritant. Corrosive to eyes. Direct contact can cause corneal burns. Contamination of eyes can result in permanent injury.

### Ingestion:

Swallowing may result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**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:

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:

Overexposure to this product can cause lung irritation, bronchitis, persistent coughing and tooth corrosion.

**Existing Conditions Aggravated by Exposure:** 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

## 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

3260 CORROSIVE SOLID, ACIDIC, INORGANIC,  
N.O.S. (Sulfuric acid, monosodium salt)

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<b>IMDG, IATA</b>	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Sulfuric acid, monosodium salt)
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	8 (C2) Corrosive substances.
<b>IMDG Class:</b>	8 Corrosive substances.
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	II
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-A,S-B
<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:

7681-38-1	Sulfuric acid, monosodium salt
7757-82-6	Sulfuric acid, disodium salt
7732-18-5	Water

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

Poisons Schedule: 5

### Packaging & Labelling:

**Cautionary statements:** KEEP OUT OF REACH OF CHILDREN

## 16 . OTHER INFORMATION

**Creation Date:** 25.06.2014**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 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)

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### **Disclaimer**

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