



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 24.07.2020

Revision: 24.07.2020

## 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** pH Decreaser Tablet

**Other Means of Identification:**

**Other Name:** Sodium bisulfate, sodium hydrogen sulphate, sodium hydrogen sulfate.

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

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

**Details of Manufacturer or Importer:**

The POPS Group Pty Ltd as Trustee for The Pool Shops Trust

10-12 Cairns Street

Loganholme QLD 4129

**Phone Number:**

07 3209 7884

1800 143 788

**Emergency telephone number:**

1800 033 111

+61 3 9663 2130 International

## 2. HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



corrosion

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

**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

**Chemical Characterization: Mixtures**

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

**Hazardous Components:**

7681-38-1	Sodium hydrogensulphate	Serious Eye Damage/Irritation 1, H318	>90%
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**Non Hazardous Components:**

7757-82-6	Sulfuric acid, disodium salt		<10%
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7732-18-5	Water		<1%
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Impurities	<1%
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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 immediate medical attention.

**Skin Contact:**

Remove contaminated clothing and wash affected areas with soap and water. Seek immediate medical attention. Launder clothing before reuse. Skin burns cover with a clean, dry dressing until medical help is available.

**Eye Contact:**

In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. 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: Can irritate the mucous membranes of the respiratory tract (airways).

Skin Contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Eye Contact: A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

### 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Foam, dry agent (carbon dioxide, dry chemical powder). Do not use water jet or fog.

**Specific Hazards Arising from the Chemical:**

Decomposes on heating emitting toxic fumes, including oxides of sulfur.

**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 self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation. Do not breathe 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 contain spill. Vacuum or wet sweep spilled material and place in an appropriate container for disposal. Avoid generating dust.

### 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

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proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers closed when not in use. Protect from moisture and exposure to water vapour. Store away from alkalis, reducing and oxidising agents. Check regularly for spills.

### 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:** Rouge dust: TWA - 10mg/m<sup>3</sup>

**Engineering Controls:**

Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.

**Respiratory Protection:**

Use with local exhaust ventilation or while wearing dust mask. Use an approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Protective 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:**

<b>Form:</b>	Tablet
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	1.3 (1% aqueous 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>	Not applicable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	Not determined.
<b>Relative Density:</b>	2.435
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water at 25 °C:</b>	280 g/l Soluble in water

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<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	1.0 %
<b>Solids content:</b>	100.0 %

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** No information available

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

**Conditions to Avoid:** Moisture and exposure to water vapour.

**Incompatible Materials:** Alkalis, reducing agents and oxidising agents.

**Hazardous Decomposition Products:** Toxic fumes, including oxides of sulfur.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>7681-38-1 Sodium hydrogensulphate</b>		
Oral	LD <sub>50</sub>	2490 mg/kg (rat)
<b>7757-82-6 Sulfuric acid, disodium salt</b>		
	LD <sub>50</sub>	1220 mg/kg (rabbit) (Intravenous)
Oral	LD <sub>50</sub>	5989 mg/kg (mouse)

### Acute Health Effects

**Inhalation:** Can irritate the mucous membranes of the respiratory tract (airways).

**Skin:** Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

#### Eye:

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

#### Ingestion:

Swallowing can result in nausea, vomiting, diarrhoea, 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:** Based on available data, the classification criteria are not met.

**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:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

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**Additional toxicological information:** No information available

### 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** Avoid contaminating waterways.**Aquatic toxicity:** No further relevant information available.**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** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

### 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

7681-38-1	Sodium hydrogensulphate
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

### 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 11.11.2016**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

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)

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

**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 - December 2011"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. The POPS Group Pty Ltd as Trustee for The Pool Shops Trust makes no representation

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