



Printing date 31.05.2018

Safety Data Sheet

according to WHS Regulations

Page 1/5

Revision: 31.05.2018

1 Identification

Product Name: CHLORINE OUT

Other Means of Identification:

Other Name: Sodium thiosulphate

Recommended Use of the Chemical and Restriction on Use:

Use according to manufacturer's directions. Water treatment for swimming pools.

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 Hazard(s) Identification

Hazardous Nature:

Not 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)

The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 10102-17-7	Sodium thiosulphate, pentahydrate	>99%
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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 symptoms persist.

Skin Contact:

Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.

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:

Wash mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 31.05.2018

Revision: 31.05.2018

Product Name: CHLORINE OUT

(Contd. of page 1)

Symptoms Caused by Exposure:

Inhalation: May cause upper respiratory tract, mucous membrane irritation and coughing.

Skin Contact: May cause mild skin irritation.

Eye Contact: Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes, redness and conjunctivitis.

Ingestion: A low order of toxicity. Ingestion of large doses may cause gastrointestinal irritation disturbances with nausea, vomiting, abdominal cramping, diarrhoea, metabolic acidosis, and hypernatremia.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water fog, fine water spray, foam, dry chemical powder, sand or carbon dioxide.

Specific Hazards Arising from the Chemical:

When heated to decomposition it emits toxic fumes of sulfur oxides, hydrogen sulfide and sodium oxide.

This product is not combustible, but may decompose in a fire. An explosion may occur if mixed with nitrates, chlorates, or permanganates. 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 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. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess 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, well ventilated place and out of direct sunlight. Keep containers closed when not in use.

Protect from moisture. Keep away from iodine, acids, lead, mercury, silver salts (e.g. silver nitrate), halogens, sodium nitrate and potassium nitrate. Check regularly for spills.

8 Exposure Controls and Personal Protection

Exposure Standards: Rouge dust: TWA - 10mg/m³

Engineering Controls:

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

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 31.05.2018

Revision: 31.05.2018

Product Name: CHLORINE OUT

(Contd. of page 2)

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 should be worn if exposure is likely. 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:	Crystals or powder
Colour:	White translucent
Odour:	Odourless. Cooling taste with bitter aftertaste.
Odour Threshold:	No information available
pH-Value:	7.0 (Typical)
Melting point/freezing point:	48 °C
Initial Boiling Point/Boiling Range:	100 °C

Decomposes before boiling.

Flash Point:

Not applicable

Flammability:

Non-flammable

Auto-ignition Temperature:

No information available

Decomposition Temperature:

No information available

Explosion Limits:**Lower:**

Not applicable

Upper:

Not applicable

Vapour Pressure:

Not applicable.

No information available

Density:

Not determined.

Relative Density:

1.75

Vapour Density:

No information available

Evaporation Rate:

No information available

Solubility in Water at 4 °C:

79 g/100mL

Partition Coefficient (n-octanol/water): No information available**Viscosity:**

No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur. It is a strong reducing agent and can react with oxidizers. Reacts with acids to release sulfur dioxide.

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

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 31.05.2018

Revision: 31.05.2018

Product Name: CHLORINE OUT

(Contd. of page 3)

Conditions to Avoid: Hygroscopic - protect from moisture.**Incompatible Materials:**

Iodine, acids, lead, mercury, silver salts (e.g. silver nitrate), halogens, sodium nitrate and potassium nitrate.

Hazardous Decomposition Products: Sulfur oxides, hydrogen sulfide and sodium oxide.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 10102-17-7 Sodium thiosulphate, pentahydrate**LD₅₀ 5600 mg/kg (mouse) (Intraperitoneal)

>2500 mg/kg (mouse) (Intravenous)

Acute Health Effects**Inhalation:** May cause upper respiratory tract, mucous membrane irritation and coughing.**Skin:** May cause mild skin irritation.**Eye:**

Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes, redness and conjunctivitis.

Ingestion:

A low order of toxicity. Ingestion of large doses may cause gastrointestinal irritation disturbances with nausea, vomiting, abdominal cramping, diarrhoea, metabolic acidosis, and hypernatremia.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, 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**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.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 31.05.2018

Revision: 31.05.2018

Product Name: CHLORINE OUT

(Contd. of page 4)

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:

CAS: 10102-17-7 Sodium thiosulphate, pentahydrate

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

Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 31.05.2018**Last Revision of MSDS:** Rev 1.1 (16/06/2008)**Prepared by:** MSDS.COM.AU Pty Ltdwww.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)

LC₅₀: Lethal concentration, 50 percentLD₅₀: 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 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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