

MATERIAL SAFETY DATA SHEET

PRODUCT: SODIUM METABISULPHITE

SOLD AS: Premium Quality Spotaway

Date of Issue: 19 July 2003

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to criteria of WorkSafe Australia

COMPANY DETAILS

Company: Premium Quality Pool Products Pty Ltd
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PRODUCT IDENTIFICATION

Product Name: Sodium Metabisulphite
Other Names: Spotaway, Sodium pyrosulphite
Dangerous Goods: Not classified as a dangerous good
Poisons Schedule: S5
Use: S5 When packed for domestic use.
Chemicals (sodium salts, cream of tartar), vat dye preparation, textiles (antichlor, mordant, discharge), food preservative. Bleaching ground wood, wool, etc. reducing agent, fermentation, antiseptic, cast sterilization (brewing), copper and brass plating, colour preservative for pale crepe rubber, wood pulp digestion, analytical reagent, dietary supplement.

PHYSICAL DESCRIPTION AND PROPERTIES

Appearance: White crystals or crystalline powder.
Melting Point: 150°C (decomposes)
Specific Gravity: 1.48
Solubility in water: 540 g/l at 20°C
pH Value: (1% soln) 4.3
Odour: Sulphur dioxide odour
Form: Solid
Formula: Na₂ S₂ O₅
Molecular Weight: 190.10

COMPOSITION

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Sodium metabisulphite	7681-57-4	100.00%

HEALTH HAZARD INFORMATION

Effects from Acute Exposure

Swallowed:	May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. Exposure may cause central nervous system depression, gastrointestinal and cardiac abnormalities, and violent colic. Sulfite compounds may cause a severe allergic reaction in sensitive individuals.
Eyes:	May cause eye irritation and possible burns which could result in permanent injury.
Skin:	May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.
Inhaled:	Harmful by inhalation. May cause allergic respiratory reaction. May cause respiratory tract irritation. May cause effects similar to those described for ingestion.

Effects from Chronic Exposure

Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated exposure may cause allergic reactions in sensitive individuals.

FIRST AID

Ingestion:	Rinse mouth thoroughly with water immediately. DO NOT induce vomiting. Seek immediate medical attention. Poison Information Centre phone 13 11 26 Australia wide.
Eyes:	If in eyes, hold eyes open, flush with water for at least 15 minutes and see a Doctor immediately.
Skin:	If skin contact occurs, remove contaminated clothing immediately and wash skin with water, then soap and water.

Inhalation:

INHALATION OF CHEMICAL DUST Blow Nose to remove dust. If irritation or soreness persists seek medical assistance.

INHALATION OF SULPHUR DIOXIDE Remove victim from exposure – avoided becoming a casualty. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek urgent medical attention.

FIRST AID FACILITIES

Eye wash in area of use.

PRECAUTIONS FOR USE

EXPOSURE LIMITS

Recommended exposure limits: 5 mg/m³

ENGINEERING CONTROLS

Use in a well ventilated area only. Avoid generating and inhaling dusts.

PERSONAL PROTECTION

Avoid skin and eye contact. Wear overalls, chemical goggles, full-face shield, impervious gloves, rubber boots and rubber apron when working with large volumes. Use with adequate ventilation. If inhalation risk exists, wear respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before re-using.

FLAMMABILITY

Non flammable but toxic sulphur dioxide may be liberated if involved in a fire.

STORAGE AND HANDLING

STORAGE AND TRANSPORT

Keep containers closed at all time. Material not particularly stable on storage; deterioration is accelerated by moisture; best stores in a dry area in well closed containers. Store away from oxidising agents.

SPILLS AND DISPOSAL

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up, but avoid generating dust. Dispose to waste. Wash area down with excess water. Observe local regulation.

FIRE AND/OR EXPLOSION HAZARD

Decomposes on heating emitting toxic fumes. Will react explosively with strong oxidising agents.

Extinguishing Medium: Water, dry powder, foam, carbon dioxide (CO₂).

Special Fire Fighting Instruction: Fire Fighters or others exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Thoroughly decontaminate clothing after use.

Hazardous Combustion Products: On contact with acids, will liberate sulphur dioxide, which is a highly toxic gas by inhalation (recommended exposure limits are 2ppm [8 hour TWA] and 5ppm [10 minute TWA]). Sulphur dioxide is detectable by taste at 1ppm and smell at approximately 4ppm.

CONTACT INFORMATION

CONTACT: CHIEF EXECUTIVE OFFICER: (02) 9790 8777

DISCLAIMER

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