



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 18.06.2013

Revision: 18.06.2013

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: SPA PRO BROMINE**Recommended Use of the Chemical and Restriction on Use:** Swimming pool and spa disinfectant**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:

GHS03 flame over circle

Ox. Sol. 2 H272 May intensify fire; oxidiser.



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Acute Tox. 5 H313 May be harmful in contact with skin.

Label Elements**Signal Word** Danger**Hazard Statements**

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary Statements

P221 Take any precaution to avoid mixing with combustibles.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P220 Keep/Store away from clothing/combustible materials.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P264 Wash hands thoroughly after handling.

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

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- P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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 or doctor/physician.
P321 Specific treatment (see on this label).
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P363 Wash contaminated clothing before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P330 Rinse mouth.
P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national regulations.
Additional Information AUH031 Contact with acids liberates toxic gas.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

16079-88-2	2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-	93%
	 Ox. Sol. 2, H272;  Acute Tox. 3, H301;  Skin Corr. 1B, H314; Eye Dam. 1;  Skin Sens. 1, H317; Acute Tox. 5, H313	
	Impurities	7%

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.

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.

Information for Doctor Treat symptomatically.

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5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Dry powder, carbon dioxide or water spray. Ammonium phosphate fire extinguishers should not be used.

Specific Hazards Arising from the Chemical

When heated to decomposition, it may release poisonous and corrosive fumes of hydrogen bromide, oxides of nitrogen and hydrogen chloride gas. The product powder is combustible and will sustain flame when in contact with fire. Dispersion of fine dust in the air can form an explosion mixture.

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 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. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash contaminated area with water and detergent.

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. The recommended storage temperature is 20-30 °C. Store away from incompatible materials and all sources of ignition. Check regularly for spills.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia): Rouge dust: TWA - 10mg/m³

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:**

Use with local exhaust ventilation or while wearing dust mask. Use a Safe Work Australia 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 and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

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Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Tablets
Colour:	White to off white
Odour:	Faint halogen odour
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/Melting range:	160 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable.
Flammability:	Contact with combustible material may cause fire.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	0.9
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	1.5 g/l Soluble in water

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: Heating above 160 °C.

Incompatible Materials: Oxidizing agents, combustible organic materials and bases.

Hazardous Decomposition Products:

When heated to decomposition, it may release poisonous and corrosive fumes of hydrogen bromide, oxides of nitrogen and hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****16079-88-2 2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-**

Oral	LD ₅₀	1390 mg/kg (rat)
Dermal	LD ₅₀	>2000 mg/kg (rabbit)

Acute Health Effects**Inhalation:**

May be harmful if inhaled. Irritating to the nose, throat, mucous membranes and upper respiratory tract.

Skin: Corrosive to skin. May cause chemical burns.

Eye: Corrosive to the eyes. May cause chemical burns.

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Ingestion: Harmful if swallowed.**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes eye damage.**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.**Germ Cell Mutagenicity:** No information available**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** No information available**Specific Target Organ Toxicity (STOT) - Single Exposure:** No information available**Specific Target Organ Toxicity (STOT) - Repeated Exposure:** No information available**Aspiration Hazard:** No information available**Chronic Health Effects:**

Repeated or prolonged contact may cause reddening, general irritation, a burning sensation or irreversible damage to the skin and eyes. Inhalation of dust can cause nasal and throat irritation.

Existing Conditions Aggravated by Exposure: Existing dermatitis may be aggravated by exposure.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: 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

1479

Proper Shipping Name
ADG, IMDG, IATA

OXIDIZING SOLID, N.O.S. (2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-)

Dangerous Goods Class
ADG Class:

5.1 Oxidising substances.

Packing Group:
ADG, IMDG, IATA

II

Hazchem Code:

1Y

Special Provisions:

274

Limited Quantities:

1 kg

Packagings & IBCs - Packing Instruction:

P002, IBC08

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Packagings & IBCs - Special Packing Provisions: B2, B4**Portable Tanks & Bulk Containers - Instructions:** T3**Portable Tanks & Bulk Containers - Special Provisions:** TP33

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

16079-88-2 2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-

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

16 . OTHER INFORMATION

Creation Date: 18.06.2013**Last Revision of MSDS:** Rev 1.1 (16/06/2008)**Prepared by:** MSDS.COM.AU Pty Ltdwww.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

VOC: Volatile Organic Compounds

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

Disclaimer

This MSDS 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 material 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 of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.