



Safety Data Sheet

24TH AUGUST 2016

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	HY-CLOR GRANULAR SPA BROMINE
Shipping Name:	Granular Bromine
Product Code:	HYCSPAG01 – 1KG
UN Number:	UN2465
Other Names:	N/A
Recommended Use of the Chemical and Restrictions on Use:	Spa disinfectant and Sanitiser
Chemical Formula:	N/A
Supplier:	HY-CLOR AUSTRALIA PTY LTD
Street Address:	178 Power Street Glendenning NSW 2761
Telephone Number:	02 8805 2400
After Hours Contact:	0404 859 515
Facsimile:	02 8805 2401
Email Contact:	help@hyclor.com.au
Emergency Telephone:	13 11 26 (Australia Poisons Information Centre) New Zealand 0800 764 766

2. HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

Poison Schedule: 6

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:

Acute Toxicity – Category 4

Skin Corrosion /Irritation – Cat 1B

Acute Hazard to Aquatic Environment – Category 1

SIGNAL WORD: WARNING

Hazard Statement(s):

This material is hazardous

H302: Harmful if swallowed

H314: Causes Skin Burn and Eye Damage

H400: Very Toxic to Aquatic Life



Safety Data Sheet

24TH AUGUST 2016

Precautionary Statement(s) :

P210: Keep away from Sparks, No Smoking
P220: Store Away from Combustible Material
P264: Wash Hands properly after using
P270: Do not eat, drink or smoke while using this product
P260: Do no breathe Dust, smoke etc.

Response:

P370+P378: In case of fire; Use appropriate extinguisher
P301+P312: If Swallowed Call poison centre
P301, P330, P331 : If swallowed, rinse mouth, do not induce vomiting
P304+P340: If inhaled, remove victim to fresh air
P305+P351+P338: If in eyes; Rinse Cautiously with water for several minutes. Remove contact lenses

Related Information

DG Class	None
Packaging Group	None
Hazchem Code	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Sodium dichloroisocyanurate	2893-78-9	>60%
Inert Ingredients		to 100%

4. FIRST AID MEASURES

General: Keep Victim warm and quiet. Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product involved, and take precautionary measures to protect themselves.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water and then give plenty of water to drink. Seek medical attention if large amounts ingested. Call Poison Centre 13 11 26

Eye: If in eye(s) wash with large amounts of water for approximately 15 minutes holding eyelid(s) open. Seek medical attention immediately.

Skin: Remove contaminated clothing and wash skin thoroughly decontaminate clothing before re-use or discard. If swelling, redness, blistering or irritation occurs seek medical advice.

Inhalation: Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation. Seek immediate medical attention.

First Aid Facilities: Eye wash and normal washroom facilities. First Aid Kit.

Advice to Doctor: Treat symptomatically

Medical Conditions that may Be Aggravated by Exposure: Asthma and respiratory and cardiovascular disease.



Safety Data Sheet

24TH AUGUST 2016

5. FIRE FIGHTING MEASURES

Hazchem Code: None

Extinguishers: Use flooding amounts of water from a distance. Take care as contact with Water will release toxic chlorine gas. Do not use foam or dry agent.

Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) and protective clothing.

Hazardous Decomposition Products: Decomposes on heating emitting toxic fumes of chlorine as well as liberating oxygen.

Other precautions: Not combustible, however (oxidizer) ignites combustible or organic materials when in contact. Emits toxic fumes of chlorine as well as liberating oxygen, therefore dangerous in a fire situation. Keep away from heat, sparks or naked flames. Heating may cause explosion. Contact with acids or strong alkalis may generate heat.

6. ACCIDENTAL RELEASE MEASURES

Spills: Evacuate all unnecessary personnel. Wear protective clothing as specified in the Personnel Protection section of the MSDS. Sweep up material and place into a suitable labelled container. Collect with spark free tools, avoid the creation of dust. Mop up the remaining material and place into the same container. If large quantities of the material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of dust. Wear appropriate protective equipment and clothing. Use in a well ventilated area. Avoid spillage onto floor. Keep containers closed when not in use. Maintain personal hygiene by washing hands prior to eating, drinking, smoking or using toilet.

Storage: Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Avoid any dust build-up by frequent cleaning and suitable construction of storage area. Keep storage separated from work areas. Inspect periodically for deficiencies such as damage or leaks.

Incompatibilities: Store away from organic and/or combustible agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: No ingredients in this product have exposure standards, as outlined in *Environment* third edition, published by the National Occupational health and Safety Commissions/AGPS, 1995.

Engineering Measures: Avoid generating and inhaling dusts. Use in a well ventilated area only. Keep containers in a well ventilated area. Local exhaust ventilations system may be required, especially if chlorine gas evolved.

Personal Protection Equipment

Clothing: Suitable protective clothing should be worn e.g. cotton overalls and safety shoes.

Skin Protection: Impervious PVC or rubber gloves should be worn.

Eye Protection: Safety glasses with side shields or goggles should be worn.



Safety Data Sheet

24TH AUGUST 2016

Respiratory Protection: If dust exists, wear respirator meeting the requirements of AS/NZS 1716.

Personal Hygiene: Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White granules, mild chlorine odour.
Boiling Point	N/A
Freezing/Melting Point	Decomposes about 240 Degrees Celsius before melting.
Vapour Pressure	Nil at normal ambient temperatures.
Specific Gravity	2.03
Flash Point	N/A
Upper Flammability Limit	N/A
Lower Flammability Limit	N/A
Solubility in Water	25g/100ml at 25 Degrees Celsius
pH	6.5 (1% solution)

10. STABILITY AND REACTIVITY

Chemical Stability: No significant decomposition products. Elevated temperatures will result in the material decomposing.

Conditions to Avoid: This product should be kept in a cool place, preferable below 30 Deg C. Keep containers tightly closed. Containers should be kept dry. Keep isolated from combustible materials.

Incompatible Material: Will react with most organic chemicals. Corrosive to most metals in the presence of moisture.

Hazardous Decomposition Products: Oxides of carbon and nitrogen, chlorine, smoke and other toxic fumes.

11. TOXICOLOGICAL INFORMATION

Health Effects

Swallowed: Significant oral exposure is considered to be unlikely. Available data shows that this product is harmful, but symptoms are not available. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat.

Skin: This product is not harmful however product may be irritating and unlikely to cause anything more than mild transient discomfort.

Eye: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Lengthy exposure or delayed treatment

Inhaled: Available data indicates that this product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat.



Safety Data Sheet

24TH AUGUST 2016

12. ECOLOGICAL INFORMATION

Highly toxic to aquatic life. Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Dispose of according to relevant local, state and federal government regulations.

14. TRANSPORT INFORMATION

UN Number	None
Land Transport	None
Dangerous Goods Class	None
Packing Group	None
Hazchem Code	None
Special Precaution to User	None

15. REGULATORY INFORMATION

Poisons Schedule (Aust) 6

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)
WHS Act and Regulation 2011

16. OTHER INFORMATION

Contact Any advice, recommendation, information, assistance, or service provided by Hy-Clor Australia in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, this information is given without warranty or representation. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products.

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