Material Safety Data Sheet

Issue Date: July 21, 2013

Product Name: Hy-Clor Super-Shock

Classified as hazardous according to criteria of Worksafe Australia

IDENTIFICATION

Product Name	CALCIUM HYPOCHLORITE 70%	
Sold as	Hy-Clor Super shock Granular Pool Chlorine	
Product Code and Size	HYCSUP500	500GRAM
	HYCSUP02	2KG
	HYCSUP04	4KG
Recommended Uses	Swimming Pool disinfectant and sanitiser	
Company Name	HY-CLOR AUSTRALIA PTY LTD	
Address	178 Power St, Glendenning, NSW 2761	
Tel/Fax	PH: (02) 8805 2400	FAX: (02) 8805 2401
Emergency Contact Number	Business Hours Only (02) 8805 2400. After Hours 0404 859 515 General Information	
24 Hour Emergency Contact	If poisoning occurs, contact a doctor or Poisons Information Centre Australia 131 126 or New Zealand 0800 764 766	

HAZARDS IDENTIFICATION

Hazard Statement

This material is hazardous according to health criteria on NOHSC Australia

UN Number	2880
DG Class	5.1
Packaging Group	II
Hazchem Code	2P

Poisons Schedule S5

Risk Phrases

R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed
R31	Contact with acids liberated toxic gas.
R50	Very toxic to aquatic organisms.

Saftey Phrases

S(1/2)	Keep locked up and out of reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/ face protection.
S45	In case of accident or if you feel unwell seek medical advice immediately.
S61	Avoid release into the environment.

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	**CAS**	**Proportion**
Cal hypo 70%	7778-54-3	70-75%
Inert Ingredients		20-25%

FIRST AID MEASURES

Ingestion	Rinse mouth with water and then give plenty of water to drink. DO NOT induce vomiting and seek medical attention if large amounts ingested.
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 the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a 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
Advice to Doctor	Treat symptomatically

FIRE FIGHTING MEASURES

Hazchem Code	2P
Extinguishers	Water fog
Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing.
Hazardous Decomposition Products	Decomposes on heating emitting toxic fumes of chlorine as well as liberating oxygen.
Other Precautions	Not combustible, however ignites combustible or organic materials when in contact. Emits toxic fumes of chlorine as well as liberating oxygen, therefore dangerous in a fire situation.

SPILLS AND DISPOSAL

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. 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 you local Waste Management Authority.

SAFE HANDLING INFORMATION

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 away from organic and/or combustible agents. Reacts with water may lead to drum rupture. Store in a cool, dry, well ventilated area, out of direct Sunlight. Store in suitable, labeled 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. This material is a Schedule (S5)Poison and must be stored, handled and used according to appropriate regulations.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	No ingredients in this product have exposure standards.
Engineering Measures	Avoid generating and inhaling dusts. Use in a well ventilated area only. Keep containers in a well ventilated are. 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.
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.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to cream, dry free flowing powder. Chlorine odour
Boiling Point	N/A
Vapour Pressure	N/A
Specific Gravity	N/A
Flash Point	N/A
Flammable Limit	N/A
Level	N/A
Solubility in water	Appreciable

STABILITY AND REACTIVITY

Chemical Stability	Rapidly decomposes on exposure to air. May decompose violently if exposed to heat or direct sunlight. Thermally unstable.
Conditions to Avoid	Avoid high temperatures and high humidity.
Incompatible Material	The substance is an oxidant and reacts with acids, reducing agents, organic, nitrogen containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), corrosive, flammable or combustible materials. Forms explosive compounds with ammonia and amines. Keep away from primary aliphatic or aromatic amines,

	lubricating oils, damp sulphur, organic thiols or sulphides, metal oxides, nitro methane, alcohols, glycerol, phenol, diethylene glycol monoethyl ether and carbon. Contact with these products could produce ignition or explosion. Reacts with other oxidizing agents such as Dichloroisocyanuric acid, dry and its salts, and Trichloroisocyanuric acid, dry, and its salts. Reacts with water and acids releasing chlorine gas.
Hazardous Decomposition Products	Thermal decomposition products include toxic chlorine gas.

TOXOCOLIGICAL INFORMATION

Toxicology Information	Dermal LD50 (rabbit) = 1000mg/kg Oral LD 50 (rat) = 850mg/kg Oral LD 50 (human) = >15g/kg
Acute Effects	
Ingestion	May be harmful by ingestion. Ingestion can result in nausea, vomiting, diarrhea, abdominal pain and convulsions.
Eye	Granular solid or dust causes burns and is a severe eye irritant. Contamination of eyes can result in permanent injury.
Skin	Contact with skin causes burns and will result in redness or blistering.
Inhalation	May be harmful by dust inhalation. Inhalation of dust may result in respiratory irritation and possible harmful effects. Chlorine evolved from decomposition when wet is a severe respiratory irritant, corrosive and highly toxic. Delayed effects can include shortness of breath, violent headaches, pulmonary oedema and pneumonia.
Chronic	No known effects

ECOLOGICAL INFORMATION

Ecotoxicity	Highly toxic to aquatic life. Avoid contaminating waterways. Breaks down sunlight. Acute toxicity- Fish 0.5ppm/trout/killed/fresh water. No further information available.

DISPOSAL CONSIDERATIONS

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

TRANSPORT INFORMATION

UN Number	2880
DG Class	5.1
Packaging Group	II
Hazchem Code	2P

Transport

This material is a Class 5.1 Oxidising Agent according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 5.1 – Oxidising Agents shall not be loaded in the same vehicle or packed in the same freight container with: Class 1 – Explosives, Class 2.1 – Flammable Gases, Class 2.3 – Poisonous Gases, Class 3 – Flammable Liquids, Class 4.1 – Flammable Solids, Class 4.2 – Spontaneously Combustible Substances, Class 4.3 – Dangerous when wet (where the poisonous substances are fire risk substances), Class 7 – Radioactive substances, Class 8 – Corrosive Substances, Class 9 – Miscellaneous Dangerous Goods (where the miscellaneous dangerous goods are fire risk substances), Fire risk substances other than dangerous goods.

REGULATORY INFORMATION

Poisons Schedule S5

CONTACT POINT

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, it is provided with a disclaimer for any liability on the part of Hy-Clor Australia Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and whether implied by statute, common law, custom of the trade otherwise, are to the extent that the law permits expressly excluded.

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