



Material Safety Data Sheet

Issue Date: July 21, 2011
Product Name: Hy-Clor Super-Shock

Classified as hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company Name	HY-CLOR AUSTRALIA PTY LTD
Address	Suite 5.01, 15 Orion Road, Lane Cove NSW 2066
Tel/Fax	(02) 9498 2925 (02) 9498 4329

IDENTIFICATION

Product Name	CALCIUM HYPOCHLORITE 70%	
Shipping Name	Calcium Hypochlorite mixtures, dry with more than 10% but not more than 70% available chlorine	
Sold as	Hy-Clor Super shock Granular Pool Chlorine	
Other Names	Name	Mancode
	Chlorinated Lime	
	Calcium Hypochlorite	TECH 00000941
UN Number	2880	
DG Class	5.1	
Packaging Group	II	
Hazchem Code	2P	
Poisons Schedule	S5	

PHYSICAL DATA

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 Level	N/A
Solubility in water	Appreciable

OTHER PROPERTIES

Ingredients	Name	CAS	Proportion
	Cal hypo 70%	7778-54-3	100%

HEALTH HAZARD INFORMATION

Acute – Ingestion	May be harmful by ingestion. Ingestion can result in nausea, vomiting, diarrhea, abdominal pain and convulsions.
Acute – Eye	Granular solid or dust causes burns and is a severe eye irritant. Contamination of eyes can result in permanent injury.
Acute – Skin	Contact with skin causes burns and will result in redness or blistering.
Acute – 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

FIRST AID

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

OTHER HEALTH HAZARD INFORMATION

Other Exposure Info	Evolves Chlorine: Detectable by smell at 1-3 ppm
Eng. Controls	In the operation of where dusts may accumulate an exhaust ventilation or dust extraction system should be provided to maintain airborne particulates as low as is reasonably practicable.

PERSONAL PROTECTION

Protective Equipment

Respiratory	Where ventilation is inadequate, a P1 half facepiece Respirator with replaceable filter or disposable facepiece as specified by AS/NZA 1715 and 1716 is recommended.
Eyes	Suitable chemical glasses
Hands	Nitrile, neox or neoprene
Other	Impervious overalls may be required

FLAMMABILITY

Fire Hazards

Oxidiser, assists combustion

SAFE HANDLING INFORMATION

Storage Precautions

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.

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.

Other Storage Info
Ship. Name (CSN)

This material is hygroscopic at high temperatures.
CALCIUM HYPOCHLORITE MIXTURES, DRY with more than 10% but not more than 70% available chlorine.

SPILLS AND DISPOSAL

Spills & Disposal	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.
Disposal	Dispose of in accordance with federal, local or state regulations.

FIRE/EXPLOSION HAZARD

Fire/Explos. Hazard	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.
Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing.
Extinguish Media	Water fog
Hazard Reaction Incompatibility	This material is an oxidizing agent, and will react with many organic chemicals. Corrosive to most metals in the presence of moisture. Reacts with acid evolving chlorine.
Hazardous Decomposition Products	Decomposes on heating emitting toxic fumes of chlorine as well as liberating oxygen.
Hazchem Code	2P

OTHER INFORMATION

Toxicology	For Calcium Hypochlorite – (100%) acute oral LD50 (rat) 850 mg/kg
Risk Statement	R8 contact with combustible material may cause fire. F31 contact with acids liberates toxic gas. R34 Causes burns.
Safety Statement	S2 Keep out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. S43 In case of fire, use fog, foam or dry agent.
Packaging and Labelling	As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons.
Hazard Category	Corrosive

CONTACT POINT

Contact	<p>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.</p>
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Mark Sheridan
Technical Regulations Manager
Telephone: (02) 9498 2925

