



## Material Safety Data Sheet

Issue Date: July 21, 2012  
Product Name: CALCIUM HYPOCHLORITE 70% HY-CLOR GRANULAR POOL CHLORINE

Classified as hazardous according to criteria of Worksafe Australia

### COMPANY DETAILS

Company Name HY-CLOR AUSTRALIA PTY LIMITED  
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### IDENTIFICATION

Product Name CALCIUM HYPOCHLORITE  
Shipping Name CALCIUM HYPOCHLORITE MIXTURES, DRY with more than 10%  
but not more than 70% available chlorine  
Sold as Hy-Chlor Granular Pool Chlorine 2kg, 4kg & 10kg  
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 N/A  
Level N/A  
Solubility in Water Appreciable

## INGREDIENTS

Ingredients	Name	CAS	Proportion
	Calcium Hypochlorite	7778-54-3	100%

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

Acute - Ingestion	May be harmful by ingestion. Ingestion can result in nausea, vomiting, diarrhoea, 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 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

### ADVICE TO DOCTOR

Advice to Doctor	Treat symptomatically
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### OTHER HEALTH HAZARD INFORMATION

## PRECAUTIONS FOR USE

Other Exposure Info	Evolves Chlorine: Detectable by smell at 1 - 3 ppm
Eng. Controls	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/NZS 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
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## SAFE HANDLING INFORMATION

## STORAGE AND TRANSPORT

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, 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. This material is a Scheduled (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	This material is hygroscopic at high temperatures.

Ship. Name (CSN)

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 your 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 oxidising agent, and will react with many organic chemicals. Corrosive to most metals in the presence of moisture. Reacts with acids evolving chlorine

Hazardous

Decomposition

Decomposes on heating emitting toxic fumes of chlorine as well as liberating oxygen.

Products:

Hazchem Code

2P

## OTHER INFORMATION

Toxicology

Risk Statement

For Calcium Hypochlorite - (100%) acute oral LD50 (rat) 850 mg/kg  
R8 Contact with combustible material may cause fire. R31 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

Hazard Category

As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons.

Corrosive

## CONTACT POINT

### Contact

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