



Material Safety Data Sheet

Issue Date: July 02, 2013

Product Name: **HY-CLOR pH INCREASER (Soda Ash)**

Classified as hazardous according to criteria of Worksafe Australia

IDENTIFICATION

Product Name	pH Increaser
Other Names	Sodium Carbonate
Product Code and Sizes	HYCPHISP025 2.5KG HYCPHIHP025 2.5KG
Recommended Use	A mildly alkaline salt used to control scaling and etching by buffering the acidity of swimming pool water
Company Name	HY-CLOR AUSTRALIA PTY LTD
Address	178 Power Street, 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

HAZARD IDENTIFICATION

Hazard Statement

This material is hazardous according to the health criteria of NOHSC Australia.

UN Number	None allocated
UN Proper Shipping Name	None allocated
Dangerous Goods Class	None allocated
Packing Group	None allocated
Hazchem Code	None allocated

Risk Phrases	R36	Irritating to eyes
Safety Phrases	S(2)	Keep out of reach of children
	S22	Do not breathe dust
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

COMPOSITION / INFORMATION

Chemical Entity	Synonyms	CAS Number	Concentration
Sodium Carbonate	Soda Ash	497-19-8	99-100%

FIRST AID MEASURES

Ingestion	DO NOT INDUCE VOMITING. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.
Skin	Wash affected area extremely thoroughly with lukewarm running water. Remove contaminated clothing and wash before reuse or discard. Seek medical advice if symptoms persist.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.
Inhaled	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 symptoms develop seek medical attention.
Advice to Doctor	Treat symptomatically.

FIRE FIGHTING MEASURES

Hazchem Code	None allocated
Extinguishers	Use water spray, foam or dry agent
Fire Fighting Precautions	Fire-fighters should wear full protective clothing and Self contained breathing apparatus
Combustion Products	This product is non-combustible

ACCIDENTAL RELEASE MEASURES

Restrict access to area. Provide adequate protective equipment and ventilation. Stop or reduce discharge if it can be done safely. Contain material. Do not allow sodium carbonate to enter into sewers or water systems. Shovel or sweep up dry sodium carbonate for recycling or disposal. Neutralise final traces and flush area with water.

HANDLING AND STORAGE

Handling

Wear appropriate protective equipment to prevent skin and eye contact. Avoid generating mist or dust. When diluting or preparing solution, add to water in small amounts to avoid boiling and splattering. Label containers and keep closed when not in use. Empty containers may contain residues which are hazardous.

Storage

Store in tightly closed containers in a cool, dry place separate from normal work area. Store in suitable, labeled containers. Protect containers from damage or breakage. Store separately from acids and other incompatible materials.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No ingredients in this product have exposure standards, as outlined in the standard *Exposure Standards for Atmospheric Contaminants in the Occupation Environment* third edition, published by the National Occupational Health and Safety Commission/AGPS, 1995.

Engineering Controls

Engineering control methods to reduce hazardous exposures are preferred. General methods include mechanical ventilation (dilution and local exhaust). Use local exhaust ventilation and process enclosure if necessary, to control airborne dust and mist.

Personal Protective Equipment

Clothing

Suitable workwear should be worn to protect personal clothing, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

Skin Protection

Natural rubber or nitrile gloves should be worn when using this product.

Eye Protection

Safety glasses with side shields or goggles should be worn as described in Australian/New Zealand Standards AS/NZS 1337, Eye Protectors for Industrial Applications.

Respiratory Protection	Where sufficient ventilation is not available, avoid breathing dust by wearing as Australian Standards AS 1716 approved P1 or P2 particulate filter respirator.
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/Odour	Grayish white powder
pH	11.5% (1% aqueous solution)
Vapour Pressure	Not volatile
Vapour Density	Not applicable
Boiling Point/Range	Decomposes
Freezing/Melting Point	851Deg C
Solubility in water	7.1g in 100ml @ 0deg C, 22g in 100ml @ 22deg C
Specific Gravity/ Density	2.53 @ 20deg C (water =1)
Flash Point	None
Lower Flammability Limit	Not applicable
Upper Flammability Limit	Not applicable
Ignition Temperature	Not applicable

STABILITY AND REACTIVITY

Chemical Stability	Stable
Hazardous Decomposition Products	Carbon dioxide
Hazardous Reactions	Reaction with water and acids will generate heat. Will React violently with phosphorous pentoxide and May react explosively with magnesium and red hot Aluminium.

TOXOCOLOGICAL INFORMATION

Toxicology Information

Lethal dose oral (rat) = 4000 mg/kg, LC50 inhalation (rat) = 2100-2500 mg/m³; duration of exposure, 2 hours (91% sodium carbonate aerosol); whole body exposure (3).

LC50 inhalation (mouse) = 1200 mg/m³; duration of exposure, 2 hours (95% sodium carbonate aerosol); whole body exposure (3).

LC50 inhalation (guinea pig) = 800mg/m³; duration of exposure, 2 hours (95% sodium carbonate aerosol); whole body exposure (3).

Skin Irritation (rabbit) Moderate skin irritant (500mg; 24 hour exposure)

Eye Irritation (rabbit) severe eye irritant (100 mg; 24 hour exposure)

Acute Effects

Swallowed Ingestion of large amounts may result in cramps, vomiting, diarrhea and possible circulatory collapse and death.

Skin Dust or solid can cause mild to moderate irritation. Concentrated solutions can be corrosive, causing severe irritation and burning

Eye Moderate to severe irritation. Direct contact with solid or concentrated solution may result in permanent injury to eye unless promptly rinsed from eye with water.

Inhaled Irritation of the nose, throat and lungs may occur due to the irritant nature of sodium carbonate. Symptoms may include coughing, sneezing and difficulty breathing.

Chronic Effects Repeated or prolonged skin contact may result in dermatitis and/or ulceration of the skin. Prolonged inhalation may lead to perforation of the nasal septum.

ECOLOGICAL INFORMATION

No Data Available

DISPOSAL CONSIDERATIONS

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

TRANSPORT INFORMATION

UN Number	None allocated
UN Proper Shipping Name	None allocated
Dangerous Goods Class	None allocated
Packing Group	None allocated
Hazchem Code	None allocated

REGULATORY INFORMATION

Poison Schedule	S5
Product	Sodium Carbonate

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 common law custom of the trade otherwise, are to the extent that the law permits expressly excluded.

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