



Material Safety Data Sheet

Issue Date: July 02,2012

Product Name: **pH INCREASER**

COMPANY DETAILS

Company Name	HY-CLOR AUSTRALIA PTY LTD
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IDENTIFICATION

Product Name:	pH Increaser
Other Names:	Sodium Carbonate
Recommended Use:	A mildly alkaline salt used to control scaling, etching by buffering the acidity of swimming pool water

24 Hour Emergency Number:	Australia:	Poisons Information Centre 13 1126
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HAZARD IDENTIFICATION

Classified as a hazardous substance according to the criteria of the National Occupational health and Safety Commission

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: 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%

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.

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
Harzardous Reactions:	Reaction with water and acids will generate heat. Will React violently with phosphorous pentoxide and Sulphuric acid. Ignites and burns fiercely with fluorine. May react explosively with magnesium and red hot Aluminium.

TOXOCOLOGICAL INFORMATION

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.

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

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