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FOCUS pH INCREASE / POOL FAST pH INCREASER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Focus pH Increase / Pool Fast pH Increaser
Product Code	-
Other Names	Soda Ash, Calcined Soda, Carbonic Acid, Disodium Salt, Disodium Carbonate, Bisodium Carbonate, Sodium Carbonate
Product Use	Glass manufacture, chemicals, pulp and paper manufacture, sodium compounds, soaps and detergents, water treatment, aluminum production, textile processing (e.g. bleaching of linen, hemp, cotton), cleaning preparations, petroleum refining, sealing ponds from leakage, catalyst in coal liquefaction, photographic agent, food additive.
Company Name	Focus Products Pty Ltd
Address	35 Moreton St Heathwood QLD 4110
Telephone Number	1300 1 36287
Emergency Telephone	0411 623 619 (A/H)

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Classified as hazardous according to the criteria of Safe Work Australia.

Hazards	Xi – Irritant
Risk Phrases	R36 - Irritating to eyes.
Safety Phrases	S2 - 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Sodium carbonate	497-19-8	100%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove victim to fresh air. Apply CPR if victim is not breathing. Administer oxygen if breathing is difficult. Remove contaminated clothing and loosen remaining clothing. Allow victim to assume most comfortable position and keep warm. Seek
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Ingestion	immediate medical attention. Do not induce vomiting. If victim can swallow, have him/her drink water to dilute material in stomach. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair with running water for at least 15 minutes. Seek immediate medical attention.
Eyes	If eye contact occurs, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Use extinguishing media suitable to surrounding fire.
Hazardous Combustion Products	Carbon dioxide.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	This product is not flammable and does not support combustion. Soda ash decomposes above 1000°C releasing carbon dioxide gas. Do not expose material to intense heat.
Hazchem Code	Not allocated.

6. ACCIDENTAL RELEASE

Spills	Slippery when spilled. Clean up immediately. Sweep up but avoid generating dust. Collect and seal in properly labeled drums for disposal. Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Wash area down with excess water.
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7. HANDLING AND STORAGE

Handling	Avoid breathing dust and skin and eye contact while handling the product. Wash exposed areas with soap and water. Ensure good industrial hygiene practice.
Storage	Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials. Soda ash is mildly hygroscopic, so keep containers closed at all times to prevent absorption of moisture and carbon dioxide from air.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	Nuisance dust: TWA: - ppm / 10 mg/m ³ STEL: - ppm / - mg/m ³
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Engineering Controls	Use local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.
Respiratory Protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits, use a Safe Work Australia approved full face supplied air respirator. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Wear safety glasses with side shields (or goggles) and a face shield. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Wear protective gloves and protective clothing appropriate for the risk of exposure. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, greyish powder, hygroscopic
Odour	Odourless
Solubility in water	Soluble (250 g/L @ 25°C)
Boiling Point	Decomposes
Melting point	851°C
Vapour Pressure (mm of Hg @ 25°C)	Not applicable
Specific Gravity (water = 1)	2.532 (water = 1)
pH	11.3
Flash Point	Not applicable
Flammable Limit – Lower	Not applicable
Flammable Limit – Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Incompatible Materials	Strong acids, hydrated lime, aluminium powder, fluorine, phosphorus pentoxide, sulphuric acid, ammoniacal silver nitrate and molten lithium. May react violently with strong acids resulting in carbon dioxide gas and large quantities of heat. Reacts with hydrated lime in the presence of moisture to form caustic soda, a corrosive.
Hazardous Decomposition Products	Carbon dioxide.
Hazardous Polymerization Conditions to Avoid	No information available. Heat, exposure to air and incompatible materials. Avoid combined exposure to lime dust and soda ash as caustic soda may be formed on the skin.

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11. TOXICOLOGICAL INFORMATION

Toxicity	Oral LD ₅₀ (rat) = 4090 mg/kg Inhalation LC ₅₀ (rat) = 2100 - 2500 mg/m ³ Skin irritation (rabbit) - moderate skin irritant - 500mg (24 hr exposure). Eye irritation (rabbit) - severe eye irritation - 100mg (24 hr exposure).
Routes of Exposure	Inhalation, ingestion, eye and skin
Health effects from likely routes of exposure	Inhalation: Inhalation may cause irritation to upper respiratory tract. Symptoms may include coughing and breathing difficulty. Excessive contact is known to cause damage to the nasal septum. Ingestion: Ingestion of small amounts may cause mouth, throat and stomach irritation. Concentrated solutions may be corrosive and cause cramps, vomiting, diarrhea and possible circulatory collapse and death. Eye: Contact may be corrosive to eyes and cause conjunctival oedema and corneal destruction. Risk of serious injury increases if eyes are kept tightly closed. Other symptoms may appear from absorption of sodium carbonate into the bloodstream via the eyes. Skin: Moderately irritating. Soda Ash is mildly alkaline and will dissolve in human perspiration. Individuals with sensitive skin may incur mild skin irritation. Causes redness, blistering and burning of the skin.
Effects of Overexposure	Prolonged or repeated skin exposure may cause dermatitis and / or ulceration of the skin.
Existing Conditions Aggravated by Exposure	Eye or skin disease and breathing or respiratory disorders will be aggravated by exposure to this chemical.
Carcinogenicity	This product does NOT contain any IARC listed chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information

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14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail (ADG 7).

UN Number	Not applicable
Proper Shipping Name	Not applicable
Dangerous Goods Class	Not applicable
Subsidiary Risk	Not applicable
Hazchem Code	Not applicable
Packing Group	Not applicable
Special Provisions	Not applicable
Limited Quantities	Not applicable
Packagings & IBCs - Packing Instruction	Not applicable
Packagings & IBCs - Special Packing Provisions	Not applicable
Portable Tanks & Bulk Containers – Instructions	Not applicable
Portable Tanks & Bulk Containers – Special Provisions	Not applicable

15. REGULATORY INFORMATION

Sodium carbonate is listed in the Australian Inventory of Chemical Substances (AICS).

Poisons Schedule: 5

16. OTHER INFORMATION

Last Revision of MSDS Rev 2.0 (13/06/2012)
Prepared by MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations Used IARC: International Agency for Research on Cancer
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

Focus Products Pty Ltd	1300 1 36287
Focus Products Pty Ltd – Emergency Number	0411 623 619 (A/H)
Police and Fire Brigade	000
Poisons Information Centre	13 11 26

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Please read instructions / label before using product.

This MSDS is prepared in accord with the Safe Work Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]