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BUFFER-SODIUM BICARBONATE / FOCUS pH BUFFER / POOL FAST ALKALINITY INCREASER / OSPA ALKALINITY & pH INCREASER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Buffer-Sodium Bicarbonate / Focus pH Buffer / Pool Fast Alkalinity Increaser / OSPA Alkalinity & pH Increaser
Product Code	-
Other Names	-
Product Use	Manufacture of effervescent salts and beverages, leavening agent, artificial mineral water, bath salt ingredient, pharmaceuticals, water softener, fire extinguishers, cleaning preparations, laboratory reagent and stock feed buffer.
Importer 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

NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Not classified as hazardous according to the criteria of Safe Work Australia.

Hazards	-
Risk Phrases	-
Safety Phrases	S2 – Keep out of reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Carbonic acid, monosodium salt	144-55-8	99%
Related impurities	-	1%

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4. FIRST AID MEASURES

Inhalation	If inhaled, move to fresh air. Seek medical attention if symptoms persist.
Ingestion	If swallowed rinse mouth thoroughly with water. Give a glass of water. If vomiting occurs give further water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water for at least 15 minutes. Seek medical attention if symptoms persist.
Eyes	If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek 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. Water fog or if unavailable fine water spray, foam, carbon dioxide, dry chemical powder.
Hazardous Combustion Products	Decomposes on heating, emitting toxic fumes including those of oxides of carbon.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	Non combustible.
Hazchem Code	Not allocated.

6. ACCIDENTAL RELEASE MEASURES

Spills	Slippery when spilt. Clean up immediately to avoid accidents. Wear protective equipment to prevent skin and eye contact. Avoid breathing dust. Work upwind or increase ventilation. Carefully vacuum or sweep up spill and place in suitable containers for reuse or disposal. Wash area down with excess water.
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7. HANDLING AND STORAGE

Handling	Avoid breathing dust and skin and eye contact.
Storage	Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers sealed as material may absorb moisture. Store away from incompatible materials. Keep containers closed when not in use.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	Nuisance dust: TWA: - ppm / 10 mg/m ³ STEL: - ppm / - mg/m ³
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. 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 1336 and AS/NZS 1337 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 crystalline powder
Odour	Odourless
Solubility in water	Soluble (96 @ 20°C)
Boiling Point	No information available.
Melting point	Decomposition starts on 70° C
Vapour Pressure (mm of Hg @ 25°C)	0.35 x 10 ⁻³ Pa @ 25° C
Specific Gravity	2.159 @ 20°C (compressed solid)
pH	8.4 (1% aqueous solution)
Flash Point	Not applicable
Flammable Limit – Lower	Not applicable
Flammable Limit – Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal circumstances.
Incompatible Materials	Acids.
Hazardous Decomposition	Oxides of carbon.

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Products
Hazardous Polymerization Will not occur.
Conditions to Avoid Moisture.

11. TOXICOLOGICAL INFORMATION

Toxicity Oral LD₅₀ (rat) = 4220 mg/kg
Oral LD₅₀ (mice) = 3360 mg/kg

Routes of Exposure Inhalation, ingestion, eye and skin

Health effects from likely routes of exposure
Inhalation: Exposure to dust may result in respiratory irritation.
Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye: May be an eye irritant. Exposure to dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Skin: Contact with skin will result in mild irritation.

Effects of Overexposure No information available.
Existing Conditions No information available.
Aggravated by Exposure
Carcinogenicity This product does NOT contain any IARC listed chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.
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
Hazchem Code	Not applicable
Packing Group	Not applicable
Special Precautions	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

Carbonic acid monosodium salt is listed in the Australian Inventory of Chemical Substances (AICS).

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
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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)]