Safety Data Sheet
according to WHS Regulations

Printing date 31.05.2018 Revision: 31.05.2018

1 Identification

Product Name: pH BUFFER / SODIUM BICARBONATE

Other Means of Identification:
Other Name: Sodium bicarbonate

Recommended Use of the Chemical and Restriction on Use: Use according to manufacturer's directions.

Details of Manufacturer or Importer:
The POPS Group Pty Ltd as Trustee for The Pool Shops Trust
10-12 Cairns Street
Loganholme QLD 4129

Phone Number:
07 3209 7884
1800 143 788

Emergency telephone number:
1800 033 111
+61 3 9663 2130 International

2 Hazard(s) Identification

Hazardous Nature:
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 144-55-8	Sodium bicarbonate	>95%

4 First Aid Measures

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Skin Contact:
Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.

Eye Contact:
In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

Ingestion:
Never give anything by mouth to an unconscious person. Immediately rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek immediate medical attention.

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Symptoms Caused by Exposure:
Inhalation: Breathing in dust may result in respiratory irritation.
Skin Contact: Contact with skin will result in mild irritation.
Eye Contact: Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Ingestion: Ingestion of large amounts can cause gastrointestinal disturbance, nausea, vomiting and diarrhoea.

5 Fire Fighting Measures

Suitable Extinguishing Media:
Water fog or if unavailable fine water spray, foam and dry agent (carbon dioxide, dry chemical powder).

Specific Hazards Arising from the Chemical:
Decomposes on heating emitting toxic fumes, including those of oxides of carbon and sodium.
Product is not combustible or flammable but may decompose in a fire.
Containers close to fire should be removed if safe to do so.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation. Do not breathe dust.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
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.

Conditions for Safe Storage:
Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers tightly closed when not in use. Protect containers from physical damage. Store at temperatures below 50 °C. Protect from moisture.
Store away from strong acids and strong oxidising agents. Check regularly for spills.
Suitable container materials: Polyethylene, polypropylene or woven plastic material.

8 Exposure Controls and Personal Protection

Exposure Standards: Rouge dust: TWA - 10mg/m3

Engineering Controls:
Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.

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Respiratory Protection:
Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
PVC, PVA, nitrile, neoprene, rubber or vinyl gloves should be worn if exposure is likely. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Solid. Crystalline powder
Colour:	White
Odour:	Odourless
Odour Threshold:	No information available
pH-Value at 20 °C:	8.4 (1% aqueous solution)
Melting point/freezing point:	300 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	>50 °C
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density at 20 °C:	2.16 g/cm³
Bulk Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water at 20 °C:	93 g/l
Solubility in Solvents:	Slightly soluble in alcohol.

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Moisture.

Incompatible Materials: Strong acids and strong oxidising agents.

Hazardous Decomposition Products: Toxic fumes, including those of oxides of carbon and sodium.

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11 Toxicological Information

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
CAS: 144-55-8 Sodium bicarbonate		
Oral	LD_{50}	3360 mg/kg (mouse) 4220 mg/kg (rat)

Acute Health Effects
Inhalation: Breathing in dust may result in respiratory irritation.
Skin: Contact with skin will result in mild irritation.
Eye:
Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Ingestion:
Ingestion of large amounts can cause gastrointestinal disturbance, nausea, vomiting and diarrhoea.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity: Avoid contaminating waterways.

Aquatic toxicity:	
CAS: 144-55-8 Sodium bicarbonate	
EC_{50}/48 h	4,100 mg/l (daphnia)
LC_{50}/96 h	7,100 mg/l (lepomis macrochirus) 7,700 mg/l (rainbow trout)

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: Bioaccumulation is not expected to occur.

Mobility in Soil: This product is highly mobile in water and soil.
Other adverse effects: No further relevant information available.

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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.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Chemical Substances:	
CAS: 144-55-8	Sodium bicarbonate

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 31.05.2018

Last Revision of MSDS: Rev 1.1 (16/06/2008)

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC_{50}: Lethal concentration, 50 percent
LD_{50}: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer
This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”
The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. The POPS Group Pty Ltd as Trustee for The Pool Shops Trust makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.