

SAFETY DATA SHEET

SODIUM BICARBONATE

Infosafe No.: 1HH1E
ISSUED Date : 21/08/2017
ISSUED by: CULBEAG HOLDINGS Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

SODIUM BICARBONATE

Company Name

CULBEAG HOLDINGS Pty Ltd (ABN 95 007 197 079)

Address

19 Allied Drive Tullamarine
VICTORIA 3043 Australia

Telephone/Fax Number

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Emergency phone number

03 9335 4400

Emergency Contact Name

Mr Ian Cameron

E-mail Address

sales@culbeag.com.au

Recommended use of the chemical and restrictions on use

Manufacture of effervescent salts and beverages, artificial mineral waters, baking powder, other sodium salts, pharmaceuticals, sponge rubber, gold and platinum plating, treating wool and silk, fire extinguishers, ceramics, prevention of timber mould, laboratory agent, antacid, mouthwash.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Not classified as a HAZARDOUS CHEMICAL*.

Not classified as a DANGEROUS GOOD*.

Not classified as scheduled poison*.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Sodium Bicarbonate	144-55-8	100 %

4. FIRST-AID MEASURES

Inhalation

Remove affected person(s) from exposure source into fresh air. Seek medical attention if recovery is prolonged.

Ingestion

Do NOT induce vomiting. Never give fluids or induce vomiting if the patient is unconscious or having convulsions. Rinse out the mouth with water. Do not swallow rinse water. Give a glass of water to drink. Obtain medical attention.

Skin

Remove contaminated clothing. Wash affected areas of skin or hair contact with plenty of flowing water. If irritation develops and persists seek medical attention.

Eye contact

If eye contact occurs, wash eye(s) immediately with flowing water for 15 minutes. Ensure thorough washing by holding the eyelids open. If irritation develops and persists seek medical attention.

First Aid Facilities

A safety shower, eye wash unit and drinking quality water should be readily accessible.

Advice to Doctor

Treat symptomatically.

Other Information

For advice contact a Poisons Information Centre (Australia 13 1126) or a doctor.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Product is not combustible. Use appropriate extinguishing media to control the main source of fire.

Hazards from Combustion Products

Fire or heat may produce carbon monoxide and carbon dioxide from product.

Special Protective Equipment for fire fighters

Firefighters should wear basic firefighting protective clothing and protective equipment suitable for handling main fire source.

Decomposition Temperature

Emits carbon dioxide at about 70°C, i.e. decomposition.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Floor surfaces may be slippery where product is spilt. Wear appropriate protective clothing and equipment. Contain spilled product to prevent entry into drains, sewer or waterways. Sweep up spilled product minimising dust generation with a dust binding material or use an industrial vacuum cleaner fitted with a high efficiency particulate (HEPA) filter. Place collected product in a labelled container for responsible disposal.

7. HANDLING AND STORAGE

Handling and storage

Product is NOT classified as a DANGEROUS GOOD for storage. Observe good work procedures when handling and using product.

Avoid generation of dust. Ensure an eye wash facility is readily available.

Store in a cool, dry well-ventilated location. Keep containers closed when not in use. Store away from incompatible materials (see section 10). Store between 15 and 25°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

A Workplace Exposure Standard* has not been established for sodium bicarbonate by the SWA*. However for guidance do not exceed an exposure level of 10 milligrams per cubic metre (TWA) for inspirable dust and be less than 3 milligrams per cubic metre (TWA) for respirable dusts.

Where TWA is the time weighted average over an 8 hour work period.

Appropriate Engineering Controls

Provide general exhaust ventilation and possibly local exhaust ventilation at transfer points where dust may be generated to maintain exposure levels to employees below the guidelines recommended above.

Respiratory Protection

Personal respiratory protection is recommended as an added control particularly where workplace atmospheric concentrations of inspirable and/or respirable dusts may exceed the recommended guide for dust concentrations (see subsection above). If required, select and fit an approved air-purifying respirator according to AS/NZS 1715* and AS/NZS 1716*.

Eye Protection

Wear approved eye protection complying with AS/NZS 1337* to protect against dust entering the eye. Guidance to recommended practices for eye protection in the industrial environment is provided in AS/NZS 1336*. Ensure that an eye wash facility is readily available in the work area.

Body Protection

Wear approved long-sleeved overalls compliant with AS/NZS 4501.2:2006*. Use gloves, boots and aprons suitable for the proposed operations. PVC or rubber are suggested protective materials for this equipment. Remove contaminated clothing promptly. Wash skin and/or hair contact areas promptly. Wash contaminated clothing before re-use.

Hygiene Measures

Do not eat while handling product. Always wash hands, arms and face before eating, drinking or using toilet facilities and at the end of each work period. Wash contaminated clothing and other protective equipment before storage or re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

White crystals, powder or granules. No odour.

Decomposition Temperature

Emits carbon dioxide at about 70°C, i.e. decomposition.

Boiling Point

Not applicable.

Solubility in Water

Soluble in water; approximately 93 g/L @ 20C

Specific Gravity

2.159 (water =1)

pH

8.3 for a 1% aqueous solution.

Vapour Pressure

Not applicable.

Vapour Density (Air=1)

Not applicable.

Flammability

Not flammable or combustible.

10. STABILITY AND REACTIVITY

Chemical Stability

Product is stable under normal conditions of storage, use and ambient temperatures.

Conditions to Avoid

Incompatible materials, dust generation, excess heat, temperatures above 50°C.

Incompatible materials

Strong oxidising agents, acids, monoammonium phosphate and water, sodium potassium alloys.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and sodium oxides.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Oral LD50 (rat); 4220 mg/kg

Irritation test (rabbit), eye: mild.
Skin - human; mild skin irritation.

Ingestion

Swallowing of product may cause mild disturbance of the digestive system. Ingestion of a large quantity may cause gastrointestinal disturbances.

Inhalation

Inhalation of dust may cause respiratory tract irritation. Inhalation of high dust concentration may cause coughing and sneezing.

Skin

Skin contact may cause irritation particularly if skin is wet. Repeated or prolonged exposure may cause drying and possibly cracking of the skin.

Eye

If in eyes may cause mild irritation, redness and pain due to mechanical effects.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Essentially not acutely toxic to aquatic organisms such as water fleas (LC50 2350 mg/L0; Bluegill fish (LC50: >5000 mg/L) and diatom (LC50: 650 mg/L).

Environmental Protection

Release of small quantity into the environment is not expected to have a significant impact. However it is good practice not to allow product to enter waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of packaging as general waste in accordance with State, Territorial or National environment protection regulations. Waste product can be neutralised carefully with an acid solution and neutralised wastes disposed of in an approved waste water treatment system or sewer.

14. TRANSPORT INFORMATION

Transport Information

Product is NOT classified as a DANGEROUS GOOD for transport by road and rail*, sea* or air*.

U.N. Number

None Allocated

Transport hazard class(es)

None Allocated

NOM UNNo.

None Allocated

NOM Class

None Allocated

15. REGULATORY INFORMATION

Regulatory information

Not classified as a HAZARDOUS CHEMICAL*.

Not classified as a DANGEROUS GOOD by road and rail, sea or air(see Section 14).

Not classified as a Scheduled Poison. Identified in Appendix B of POISONS STANDARD* or SUSMP* as a "Substance considered not to require control by scheduling".

Packaging & Labelling

Comply with State, Territorial or Commonwealth regulations for weights and measures*.

Australia (AICS)

The principal ingredient is identified in the Australian Inventory of Chemical Substances* as CARBONIC ACID, MONOSODIUM SALT.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

Review and revision of original MSDS and re-issued as a SDS on 21 August 2017. Preparation of this document is based on national code of practice for preparation of Safety Data Sheet(SDS) for Hazardous Chemicals*.

References

- * GHS refers to the GHS Hazardous Chemical Information List established and maintained by SWA, September 2017, or the Globally Harmonised System[GHS]of Classification and Labelling of Chemicals.
- * Australian Dangerous Goods Code, as amended.
- * SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons, NHMRC
- * POISONS STANDARD as amended and electronically published on ComLaw website.
- * Exposure Standards for Atmospheric Contaminants in the Occupational Environment in exposure standards section of HSIS, as amended.
- * HSIS - Hazardous Substances Information System maintained by SWA
- * SWA = Safe Work Australia.
- * AS = Australian Standard
- * NZS = New Zealand Standard
- * AS/NZS 1716: Respiratory protective devices.
- * AS/NZS 1715: Selection, use and maintenance of respiratory protective devices.
- * AS/NZS 1337: Eye protectors for the industrial applications.
- * AS/NZS 1336: Recommended practices for eye protection in the industrial environment.
- * AS/NZS 4501.2:2006 Occupational protective clothing - General requirements.
- * IMDG = International Maritime Dangerous Goods Code as amended.
- * IATA = International Air Transport Association Dangerous Goods Regulations.
- * National Trade Measurements Regulations 2009 as compiled in 2016.
- * Australian Inventory of Chemical Substances maintained by National Industrial Chemicals Notification and Assessment Scheme (NICNAS).
- * National Code of Practice for the Preparation of Safety Data Sheet for Hazardous Chemicals, 2016, SWA.

Contact Person/Point

BUSINESS HOURS: Product Information Officer, (03) 9335 4400

This SDS summarises our best knowledge of the health and safety hazard information of this product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is available on our website at www.culbeag.com.au

END OF SDS

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