

SAFETY DATA SHEET

SODIUM BISULPHATE

Infosafe No.: 1HH1F
ISSUED Date : 15/08/2018
ISSUED by: CULBEAG HOLDINGS Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

SODIUM BISULPHATE

Company Name

CULBEAG HOLDINGS Pty Ltd (ABN 95 007 197 079)

Address

19 Allied Drive Tullamarine
VICTORIA 3043 Australia

Telephone/Fax Number

Tel: 03 9335 4400
Fax: 03 9335 1750

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

Flux for decomposing minerals, substitute for sulfuric acid in dyeing, disinfectant, manufacture of sodium hydrosulfide, sodium sulfate and soda alum, liberating carbon dioxide in carbonic acid baths, in thermophores, carbonizing wool, manufacture of magnesia cements, paper, soap, perfumes, foods, industrial cleaners, metal pickling compounds, lab reagent.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Eye Damage/Irritation: Category 1

Signal Word (s)

DANGER

Hazard Statement (s)

H318 Causes serious eye damage.

Pictogram (s)

Corrosion

**Precautionary statement – Prevention**

Wear eye protection

Precautionary statement – Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

Precautionary statement – Storage

No specified storage requirements

Precautionary statement – Disposal

No specified disposal requirements

Supplemental Information

In Australia the "POISON CENTER" is the Poisons Information Centre; Telephone 131126.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
SODIUM BISULPHATE	7681-38-1	>92%

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 contact or hair with plenty of flowing water for 15 minutes. If irritation develops and persists seek medical attention.

Eye contact

If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor or for at least 15 minutes. Seek medical attention promptly.

First Aid Facilities

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

Advice to Doctor

Treat symptomatically.

Product in contact with water forms sulphuric acid that can cause burns.

Indication of immediate medical attention and special treatment needed if necessary

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.

Do NOT use a water spray.

Hazards from Combustion Products

Fire or excessive heat may generate sulphur dioxide from decomposition of product. Avoid generation of dust and contact with water as product reacts with water to form an acidic and corrosive solution that reacts with metals releasing hydrogen which is a flammable gas and can form an explosive mixture with air.

Special Protective Equipment for fire fighters

Firefighters should wear basic firefighting protective clothing and protective equipment including self contained breathing apparatus.

Decomposition Temperature

Sulphur dioxide is released when product decomposes on heating.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Wear appropriate protective clothing and equipment. Increase ventilation. Contain 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 high efficiency particulate filter. Place collected product in a suitable, labelled container for responsible disposal.

7. HANDLING AND STORAGE

Handling and storage

Observe good work procedures when handling and using product. Avoid generation of dust. Avoid skin and eye contact, by wearing protective equipment, when handling and using product. Wash thoroughly after handling.

Product is NOT classified as a dangerous good for storage.

Store in a cool, dry, well-ventilated location. Keep packaging 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(WES)* has not been established for sodium bisulphate by the SWA*. However for guidance do not exceed an exposure level of 10 milligrams per cubic metre (TWA) for inspirable dust and less than 3 milligrams per cubic metre (TWA) for respirable dusts.

Appropriate Engineering Controls

Provide general exhaust ventilation and possibly local exhaust ventilation at transfer points, where dust may be generated, to maintain exposure levels of 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 respirable dusts may exceed the recommended guideline for dust concentrations (see 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 dusts entering the eye. Guidance to recommended practices for eye protection in the industrial environment is provided in AS/NZS 1336*. Wash eyes promptly for at least 15 minutes if eye contact occurs. Ensure that an eye wash facility is readily available in the work area.

Body Protection

Wear long-sleeved overalls. Use gloves, boots and aprons approved and suitable for the proposed operations. Refer to the Australian/New Zealand Standard - AS/NZS 4501* - Occupational Protective Clothing. PVC or rubber are suggested protective materials for this equipment. Remove contaminated clothing promptly. Wash skin contact areas promptly and for 15 minutes. Wash contaminated clothing before re-use.

Hygiene Measures

It is a good work practice to wash hands, arms and face before eating, drinking or using toilet facilities and at the end of each work period.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

White or pale yellow crystals or powder. No odour.

Decomposition Temperature

Sulphur dioxide is released when product decomposes on heating.

Boiling Point

Not applicable.

Solubility in Water

Readily soluble in water. 28.5 gm/100mL @ 25 degrees C.

Specific Gravity

2.1 (water =1)

pH

1.4 for a 1% aqueous solution.

Vapour Pressure

Not applicable.

Vapour Density (Air=1)

Not applicable.

Flash Point

Not applicable

Flammability

Not flammable or combustible.

10. STABILITY AND REACTIVITY

Reactivity

Reacts with water.

Chemical Stability

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

Conditions to Avoid

Dust generation, moisture, excess heat, high temperatures..

Incompatible materials

Moisture, hypochlorites, reacts with strong bases, sodium carbonate.

Hazardous Decomposition Products

Sulphur dioxide.

Possibility of hazardous reactions

Will dissolve in water to form a weak sulphuric acid solution.

Reacts with strong bases to evolve heat. Reacts with hypochlorites to form poisonous chlorine gas.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Oral LD50 (rat); 2490 mg/kg

Irritation test (rabbit), eye: highly irritating

Skin (rabbit): non-irritating.

Ingestion

Swallowing of product may cause irritation of the digestive system. Ingestion of a large quantity may cause gastrointestinal disturbances, such as nausea, vomiting and diarrhoea.

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.

Eye

If in eyes will cause severe irritation and possibly severe eye damage and injury.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Essentially not acutely toxic to aquatic organisms. However will lower the pH at point of entry into waterways with potential adverse effects on aquatic organisms in vicinity of entry point.

Mobility

Very mobile in soil.

Environmental Protection

Release 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 environment protection regulations. Waste product can be neutralised carefully with a 5% solution of sodium carbonate and disposed of in a waste water treatment system or sewer.

14. TRANSPORT INFORMATION

Transport Information

NOT classified as a dangerous good for transport by road, rail, sea or air.

U.N. Number

None Allocated

Transport hazard class(es)

None Allocated

15. REGULATORY INFORMATION

Regulatory information

Classified as a HAZARDOUS CHEMICAL* - IRRITANT to skin and eyes, according to the GHS Classification guidelines adopted by SWA*.

Scheduled as a POISON* in Australia.

Not classified as a DANGEROUS GOOD*.

Poisons Schedule

S5

Packaging & Labelling

For labelling purposes pictogram, essential statements for hazard, response, prevention, storage and disposal are detailed in Section 2 of this SDS above. Note: that the pictogram required for labelling this product is illustrating a health hazard NOT that the product is a Dangerous Good.

In the workplace, decanted quantities of the product must be labelled in accord with Code of Practice for labelling workplace hazardous chemicals*.

NB: If this product is repacked for sale to the general public the packaging and labelling requirements of the relevant Act controlling the sale of scheduled poisons need to be adopted. Refer to National Poisons Standard* or SUSMP*.

Australia (AICS)

The principal ingredient is included in the Australian Inventory of Chemical Substances*.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

Revision of existing MSDS. Reissued as a SAFETY DATA SHEET (SDS) ON 1 May 2018. Revision includes re-issuing as a SDS, Section 2 - new classification and pictogram, Section 8 - reference to Workplace Exposure Standards and minor revisions, Section 9 - revised Solubility value, Section 11 - described type of gastric disturbances, include 'eye injury' in Eye subsection, Section 16 - new issue date, format and name of document, replaced reference numbers with a * throughout document and in Literature References. SDS prepared in accord with National Code of Practice for Preparation of a SDS*.

References

* GHS = Globally Harmonised System for the Classification and Labelling Hazardous Chemicals. United Nations publication

* Australian Dangerous Goods Code, 7th Edition, 2007 as amended.

* NES = Exposure Standards for Atmospheric Contaminants in the Occupational Environment in exposure standards section of HCIS, as amended.

- * SWA = Safe Work Australia formerly National Occupational Health and Safety Commission.
- * 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 4501-2008 Occupational protective clothing Parts 1 & 2; Guideline and General requirements respectively.
- * National Model Code of Practice for Labelling of Workplace Hazardous Chemicals, Safe Work Australia
- * National Poisons Standard - Commlaw website
- * SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons, Therapeutics Goods Authority
- * AICS = Australian Inventory of Chemical Substances maintained by National Industrial Chemicals Notification and Assessment Scheme.
- * National Model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, Safe Work Australia.

Note:

HCIS is the Hazardous Chemicals Information System.

AS/NZS indicates a joint Australian Standard and New Zealand Standard.

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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