



SAFETY DATA SHEET

BIO-GREEN ADW POWDER

Infosafe No.: 5GEQK
ISSUED Date : 02/09/2021
ISSUED by: CUSTOM CHEMICALS
INTERNATIONAL PTY LTD

1. Identification

GHS Product Identifier

BIO-GREEN ADW POWDER

Product Code

0010220

Company name

CUSTOM CHEMICALS INTERNATIONAL PTY LTD (ABN 73 050 537 674)

Address

103-107 Potassium Street Narangba

QLD AUSTRALIA

Telephone/Fax Number

Tel: 07 3204 8300

Fax: 07 3204 8311

Emergency phone number

13 1126 in Australia (AH)

Recommended use of the chemical and restrictions on use

Powder cleaner

2. Hazard Identification

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 2

Signal Word (s)

WARNING

Hazard Statement (s)

Causes skin irritation.

Causes serious eye irritation.

Pictogram (s)

Exclamation mark

**Precautionary statement – Prevention**

Wash contaminated skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Sodium carbonate	497- 19- 8	10- 30 %
Other ingredients classified as non hazardous at the concentrations used according to the criteria of Safe Work Australia	-	-

4. First-aid measures

Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion

Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor) if required.

Skin

Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

Eye contact

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

First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. Fire-fighting measures

Suitable Extinguishing Media

Use carbon dioxide (CO₂) fire extinguisher, foam, dry powder, water fog or fine water spray. Use extinguisher suitable for surrounding fires.

Unsuitable Extinguishing Media

Do not use water jet.

Hazards from Combustion Products

Not combustible. However if involved in a fire will emit toxic fumes.

Specific Hazards Arising From The Chemical

Oxygen released on exothermic decomposition may support combustion in case of surrounding fire. Pressure burst may occur due to decomposition in confined spaces/containers. Wet product decomposes exothermally and may cause combustion of organic materials.

Precautions in connection with Fire

Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.

6. Accidental release measures

Emergency Procedures

Minor spills do not normally need any special clean-up measures. Rinse with water. In the event of a major spill, prevent spillage

from entering drains or water-courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material should be shoveled up into appropriately labelled drums for disposal by an approved agent according to local conditions. Neutralize residues with acid, eg vinegar and flush spill area with water. Residual deposits will remain slippery. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

7. Handling and storage

Precautions for Safe Handling

Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times - check regularly for leaks.

8. Exposure controls/personal protection

Occupational exposure limit values

No Exposure Limit Established

Biological Limit Values

No biological limits allocated.

Appropriate engineering controls

This substance is hazardous and care should be taken to ensure ventilation is adequate to maintain air concentrations below exposure limits. Use only in a well ventilated area. If the engineering controls are not sufficient to maintain concentrations of dusts below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shield protection, goggles or face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as butyl rubber, natural Latex, neoprene, PVC, and nitrile. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Solid	Appearance	Uniform powder
Colour	White	Odour	Nil
Melting Point	Not available	Solubility in Water	Miscible in all proportions
Specific Gravity	1.00 - 1.02	pH	10.5 - 11.0 (50% solution)
Volatile Component	<5% w/w	Flash Point	Not flammable
Flammability	Non combustible		

10. Stability and reactivity

Reactivity

Reacts with incompatible materials

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

May corrode copper, aluminium & zinc fittings.

Hazardous Decomposition Products

Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. Oxygen - decomposition releases steam and heat.

11. Toxicological Information

Toxicology Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and product label. Symptoms or effects which may arrive if product is mishandled and overexposure occurs are:

Acute Toxicity - Oral

SODIUM PERCARBONATE: LD50(rat) 1034 mg/kg

Acute Toxicity - Inhalation

SODIUM PERCARBONATE: LD50 (rat) >4580 mg/m³

Acute Toxicity - Dermal

SODIUM PERCARBONATE: LD50 (rabbit) >2000 mg/kg

Ingestion

This product containing ingredient Sodium Percarbonate may cause severe irritation of the mouth, throat, esophagus and stomach, bloating of stomach, belching, nausea and vomiting.

Inhalation

Exposure to generated dusts of this product may cause slight nose and throat irritation.

In case of repeated or prolonged term exposure to generated dust, risk of sore throat, nose bleeds, bronchitis.

Skin

Concentrated product may cause skin irritation. Prolonged contact with concentrated solutions may be irritating. Properly diluted wash solutions not expected to be irritating.

Eye

This product containing ingredient Sodium Percarbonate may cause severe eye irritation, watering, redness; can cause burns to the eyes.

Skin Sensitisation

Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.

12. Ecological information

Ecotoxicity

No ecological data available for this material.

Persistence and degradability

Individual components stated to be biodegradable.

Other Adverse Effects

Expected to be harmful to aquatic life due to the high pH of this product. Product is miscible in all proportions of water. DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR THE ENVIRONMENT. If release to environment occurs, notify local authorities.

Environmental Protection

Prevent large amounts from entering waterways, drains and sewers.

13. Disposal considerations

Disposal considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. Transport information

U.N. Number

None Allocated

Transport hazard class(es)

None Allocated

15. Regulatory information

Regulatory information

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule

S5

16. Other Information

Date of preparation or last revision of SDS

SDS received: Sept 2021

SUPERCEDES: Oct 2016

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

Uses and Restrictions

BIO-GREEN PEROXIDE BOOSTED AUTO DISHWASH POWDER is a commercial strength product - highly concentrated. For optimum results follow recommended usage directions. Safe to use on most surfaces. Refer to manufacturers recommendations for washing leaded crystal, coloured aluminium pots and pans or hand painted chinaware.

Pack dishes facing water spray jets. Fill detergent dispenser to indicated level according to machine manufacturers recommendations. If no dispenser is fitted then pour 2-3 dessert spoons of powder into bottom of machine.

User Information

BIO-GREEN PEROXIDE BOOSTED AUTO DISHWASH POWDER is a modern, auto dishwash powder formulated for use associated with septic and waste treatment plants. Traditional chlorine based dishwash powders and tablets put stresses on such biological systems. A peroxy salt is included to generate hydrogen peroxide as an active oxygen bleach, stain remover, deodoriser and sanitiser. BIO-GREEN PEROXIDE BOOSTED AUTO DISHWASH POWDER has been prepared from select ingredients that have been carefully chosen to maximise operator safety.

Other Information

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SDS

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