



# SAFETY DATA SHEET

## BIO-GREEN ADW POWDER

Date of Issue: October 2024

Version # 3.0

Page 1 of Total 6

### SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	BIO-GREEN ADW POWDER		
SUPPLIER:	Custom Chemicals International Pty Ltd		
ADDRESS:	103-107 Potassium Street, Narangba 4504 Queensland Australia		
TELEPHONE:	+617 3204 8300	Website:	www.customchem.com.au
EMERGENCY PHONE:	13 11 26 in Australia	Product code:	0010220
Substance:	Liquid	Product Use:	Powder Cleaner
Creation Date:	October 2024	Revision Date:	October 2029

### SECTION 2 – HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Poisons Schedule	Not scheduled
Dangerous Goods	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. <ul style="list-style-type: none"><li>• Serious Eye Damage/Irritation Category 1</li><li>• Skin Irritation Category 2</li><li>• Specific Target Organ Toxicity 3</li><li>• Acute Aquatic Toxicity - Category 3</li></ul>

#### Label elements

GHS label pictograms		
Signal word	DANGER	

#### Hazard statement(s)

H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H402	Harmful to aquatic life.

#### Precautionary statement(s): General

P102	Keep out of reach of children.
P103	Read label before use.

#### Precautionary statement(s): Prevention

P261	Avoid breathing dust.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/face protection and protective gloves.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.

#### Precautionary statement(s): Response

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
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# SAFETY DATA SHEET

## BIO-GREEN ADW POWDER

Date of Issue: October 2024

Version # 3.0

Page 2 of Total 6

	and easy to do. Continue rinsing.
<b>P310</b>	Immediately call a POISON CENTER or doctor/physician.
<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of soap and water.
<b>P321</b>	Specific treatment (see First Aid Measures on Safety Data Sheet).
<b>P332 + P313</b>	If skin irritation occurs: Get medical advice/attention.
<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.
<b>P304 + P340</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P312</b>	Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Precautionary statement(s): Storage</b>	
<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>P405</b>	Store locked up.
<b>Precautionary statement(s): Disposal</b>	
<b>P501</b>	Dispose of contents/ container in accordance with local regulations.
<b>Note</b>	
<b>IMPORTANT</b>	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to <b>1:15</b> or greater with water, they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Sodium silicate	1344-09-8	10 – 30 % w/w
Sodium percarbonate	15630-89-4	1 – 10 % w/w
Sodium carbonate	497-19-8	1 – 10 % w/w
Oxirane , methyl polymer with oxirane, monodecyl ether	68439-51-0	1 – 10 % w/w
Ingredients determined to be non-hazardous	various	30 – 60 % w/w

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from Safe Work Australia: Hazardous Chemical Information System (HCIS), European Chemicals Agency (ECHA), or have been found NOT to meet the criteria of a hazardous substance as defined in the Safe Work Australia publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS7). Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

### SECTION 4 – FIRST AID MEASURES

<b>Inhalation</b>	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
<b>Skin contact</b>	Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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 immediate medical advice (e.g. doctor).
<b>Advice to Doctor</b>	Treat symptomatically and supportively. Can cause corneal burns.
<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities</b>	Eyewash, safety shower and normal washroom facilities.



# SAFETY DATA SHEET

## BIO-GREEN ADW POWDER

Date of Issue: October 2024

Version # 3.0

Page 3 of Total 6

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Non flammable. Contact with metals may evolve flammable hydrogen gas.
<b>Extinguishing Media</b>	Use an extinguishing media suitable for surrounding fires. Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, water fog, foam or fine water spray.
<b>Fire Fighting</b>	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.
<b>Flash Point</b>	None

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	<b>Occupational Release</b> Minor spills do not normally need any special clean-up measures. 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 may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If required, neutralize with weak acids (citric acid or vinegar). 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.
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### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Strongly alkaline solid. Attacks skin and eyes. Avoid skin or eye contact with concentrate. Wear protective clothing when risk of exposure occurs. 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 soap and water after handling. Work clothes should be laundered. Launder contaminated clothing before re-use.
<b>Storage</b>	Strongly alkaline solid. Store in a cool dry well-ventilated area. Store away from oxidising agents and acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations.

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	National Occupational Exposure Limits, as published by SAFEWORK AUSTRALIA: <b>Time-weighted Average (TWA):</b> None established for product. <b>Short Term Exposure Limit (STEL):</b> None established for product.
<b>Ventilation</b>	This substance is hazardous and should be used with a local exhaust ventilation system, drawing dust away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/dusts below the exposure standards, suitable respiratory protection must be worn.
<b>Personal Protective Equipment</b>	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;



# SAFETY DATA SHEET

## BIO-GREEN ADW POWDER

Date of Issue: October 2024

Version # 3.0

Page 4 of Total 6

<b>Eye Protection</b> 	Safety glasses with full face shield should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. 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.
<b>Hand Protection</b> 	Wear gloves of impervious material such as butyl rubber, natural latex, neoprene, PVC and nitrile – to handle in quantity, clean up spills, decanting, etc. 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.
<b>Body Protection</b> 	Suitable protective workwear, e.g. rubber or plastic apron, sleeves, boots and cotton overalls buttoned at neck and wrist are recommended. Chemical resistant apron is recommended where large quantities are handled.
<b>Respirator</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist 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.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Powder	<b>Colour</b>	White
<b>Odour</b>	Nil	<b>Specific Gravity</b>	1.00 – 1.02
<b>Boiling Point</b>	Not determined	<b>Freezing Point</b>	Not determined
<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available
<b>Flash Point</b>	Not flammable	<b>Flammable Limits</b>	none
<b>Water Solubility</b>	Miscible in all proportions	<b>pH</b>	10.5 - 11.4 (10% solution)
<b>Volatile Organic Compounds (VOC)</b>	0 % v/v	<b>Per Cent Volatile</b>	<5 %
<b>Viscosity</b>	Not available	<b>Odour Threshold</b>	Not available

### SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight. Reacts vigorously with acids.
<b>Incompatibilities</b>	ACIDS: violent reaction can occur, yielding heat and pressure, which can burst an enclosed container. Attacks many reactive metals (aluminium/copper/magnesium/zinc alloys) releasing highly flammable gas (hydrogen), which generates fire or explosion hazards.
<b>Hazardous Decomposition</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes.

### SECTION 11 – TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH EFFECTS

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

<b>Inhalation</b>	Exposure to generated dusts of this product may cause nose and throat irritation.
<b>Skin contact</b>	Irritating to skin - may cause severe irritation. Irritation will continue until removed. Severity depends on the concentration and duration of exposure.
<b>Eye contact</b>	Concentrated product causes severe eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing. Contact with concentrated product may cause serious eye damage.



# SAFETY DATA SHEET

## BIO-GREEN ADW POWDER

Date of Issue: October 2024

Version # 3.0

Page 5 of Total 6

<b>Ingestion</b>	Swallowing can result in nausea, vomiting of blood and eroded tissue; chemical burns of the mouth, throat & abdomen; perforation of the gastrointestinal tract.
<b>Chronic exposure</b>	Prolonged and repeated skin contact with diluted solutions may induce eczematoid dermatitis.
<b>Toxicology Information</b>	Oral LD50 (ATE calculated): >10,000 mg/kg
<b>Carcinogen Status</b>	
<b>SAFework Australia</b>	No significant ingredient is classified as carcinogenic by SAFework Australia.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	No significant ingredient is classified as carcinogenic by IARC.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitizer.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Specific Target Organ Toxicity 3- respiratory.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

### SECTION 12 – ECOLOGICAL INFORMATION

<b>Acute Aquatic Toxicity Product (as sold)</b>	Harmful to aquatic life. Acute Aquatic Toxicity Category 3 - (LC50 >10 mg/L but < 100mg/L). Acute Aquatic Toxicity (ATE Calculated) LC50: 19.9 – 31.9 mg/L
<b>Acute aquatic Toxicity Product (at use dilution 1:100 rinse)</b>	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (ATE Calculated) LC50: 1,990 – 3,190 mg/L Acute Aquatic Toxicity NOT HAZARDOUS
<b>Persistence and degradability</b>	Biodegradable, based on ingredients.
<b>Bio accumulative potential</b>	No bioaccumulation is expected.
<b>Mobility in soil</b>	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
<b>Other adverse effects</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways.

### SECTION 13 – DISPOSAL CONSIDERATIONS

	Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
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### SECTION 14 – TRANSPORT INFORMATION

<b>Labels Required</b>	
<b>ADG</b>	None allocated.
<b>IMDG Marine Pollutant</b>	None allocated.
<b>HAZCHEM</b>	None allocated.
<b>Land Transport (ADG)</b>	
<b>UN Number</b>	None allocated.
<b>ADG Proper Shipping Name</b>	None allocated.
<b>ADG Code Hazard Class</b>	None allocated.
<b>HAZCHEM Code</b>	None allocated.



# SAFETY DATA SHEET

## BIO-GREEN ADW POWDER

Date of Issue: October 2024

Version # 3.0

Page 6 of Total 6

<b>Special Provisions</b>	None allocated.
<b>Packing Group</b>	None allocated.
<b>Packaging Method</b>	None allocated.
<b>IERG Number</b>	None allocated.
<b>Segregation</b>	None allocated.

### SECTION 15 – REGULATORY INFORMATION

<b>GHS Classification</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
<b>SUSMP</b>	Not scheduled
<b>ADG Code</b>	None allocated.
<b>AICIS</b>	All ingredients present on Australian Inventory of Industrial Chemicals.

### SECTION 16 – OTHER INFORMATION

<b>Issue Date</b>	29 <sup>th</sup> October 2024
<b>Version Number</b>	V 3.0 GHS7 Classification
<b>Abbreviations and acronyms</b>	<b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail. <b>AICIS:</b> Australian Industrial Chemicals Introduction Scheme. <b>CAS Number:</b> Chemical Abstracts Service Registry Number. <b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals <b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services. <b>HSIS:</b> Hazardous Substances Information System <b>IARC:</b> International Agency for Research on Cancer. <b>NTP:</b> National Toxicology Program (USA). <b>SDS:</b> Safety Data Sheet <b>STEL:</b> Short Term Exposure Limit. <b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons. <b>TWA:</b> Time Weighted Average. <b>UN Number:</b> United Nations Number.
<b>Literature references</b>	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia). GHS Hazardous Chemical Information List (Safe Work Australia). Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS). “Australian Exposure Standards”. Safework Australia. Australian Code For The Transport Of Dangerous Goods By Road And Rail. Standard for the Uniform Scheduling of Medicines and Poisons. Safety Data Sheets – individual raw materials – Suppliers. HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base. HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base. ECHA – European Chemicals Agency.
<b>Disclaimer</b>	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

End of SDS