

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product:	DIMMER®
Chemical Name of Active Ing(s):	Spirulina platensis
Product Use:	Sunburn protectant
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	Grochem® a brand of ADAMA New Zealand Ltd
Address:	Level 1/93 Bolt Road Tahunanui, Nelson 7011
Telephone:	0800 447 624
Email:	grochem@grochem.com
Emergency Telephone:	0800 764 766 (National Poison Centre) 0800 734 607 (24hr Emergency Response)
Date of SDS Preparation:	20 November 2024

Section 2.	Hazards Identification
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This substance is **NOT** hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020.

Section 3.	Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Spirulina Platensis Powder	90 - 100	223751-80-2

Section 4.	First Aid Measures
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Routes of Exposure:

If in Eyes	Rinse eyes with water as a precaution.
If on Skin	Wash skin with plenty of water.
If Swallowed	Call a poison center or a doctor if you feel unwell.
If Inhaled	Remove person to fresh air and keep comfortable for breathing.

Most important symptoms and effects, both acute and delayed.

Symptoms:

Acute:	Not applicable.
Chronic:	Not applicable.

Notes to doctor: Treat symptomatically.

Section 5.	Fire Fighting Measures
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Hazard Type	Non-Flammable.
Hazards from combustion products	Toxic fumes may be released.
Suitable Extinguishing media	Water spray. Dry powder. Foam.
Precautions for firefighters and special protective clothing	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Wear full protective clothing as detailed in Section 8. Evacuate area from unnecessary personnel.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Dispose as per Local Regulations in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Do not eat, drink or smoke when using this product.
- Ensure good ventilation of the work area.
- Wash hands thoroughly after handling.
- Avoid unintended release into the environment.
- Use personal protective equipment as required in Section 8.

Precautions for Storage:

- Store in a well-ventilated place.
- Keep cool.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eyes	Safety glasses.
Hands and Skin	Protective gloves. Wear suitable protective clothing.
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.
General	Use only with adequate ventilation. When using do not eat, drink or smoke. Do not allow into any sewer, on the ground or into any body of water.

Section 9 Physical and Chemical Properties

Appearance	Solid Green Powder
Odour	No data available
Odour Threshold	No data available
pH (1% solution)	No data available
Boiling Point	No data available

Melting Point	No data available
Flash Point	No data available
Flammability	Not flammable
Upper and Lower Exposure Limits	Not applicable
Vapour Pressure	No data available
Relative Density (20.3°C)	No data available
Solubilities	No data available
Partition Coefficient:	No data available
Auto-ignition Temperature	No data available
Kinematic viscosity mm²/s 40 °C	No data available
Particle Characteristics	No data available

Section 10. Stability and Reactivity

Stability of Substance	The product is non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid	None under recommended storage and handling conditions.
Incompatible Materials	None known.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not classified
Dermal	Not classified
Inhalation	Not classified
Eye	Not classified
Skin	Not classified

Chronic Effects:

Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Germ Cell Mutagenicity	Not classified
Aspiration	Not classified
STOT/SE	Not classified
STOT/RE	Not classified

Section 12. Ecotoxicological Information

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Persistence and degradability : No additional information available.

Bioaccumulation potential : No additional information available.

Mobility in soil : No additional information available.

Results of PBT and vPvB assessment : No additional information is available.

Section 13. Disposal Considerations

Disposal Method: Wherever possible completely use material by using according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Ensure packaging is completely empty and crush and bury in a suitable landfill.

Disposal methods to avoid: Avoid contamination of any water supply with product or empty package. Do not burn product or packaging.

Section 14 Transport Information

This product is **NOT** classified as a Dangerous Good for transport in NZ; NZS 5433

Section 15 Regulatory Information

This substance is **NOT** hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020.

This product is exempt from registration under the ACVM Act 1997.

Section 16 Other Information

Glossary

ACVM	Agricultural Compounds and Veterinary Medicines Act 1997.
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority.
HSNO	Hazardous Substances and New Organisms Act 1996.
HSW	Health and Safety at Work Act 2015.
HSW (HS) Regulations	Health and Safety at Work (Hazardous Substances) Regulations 2017.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level.
WES	Workplace Exposure Limit.

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer:

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