

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Reduclean Eco**
 Item Code:
 Product Use: Detergent for cleaning removable greenhouse coatings
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd
 Address: 10 Firth Street
 Drury, 2113

Telephone: +64 9 294 8453
 Fax Number: +64 9 294 7272

Emergency Telephone: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 30 January 2025

Section 2. Hazards Identification

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non hazardous ingredients	To 100	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists, call doctor/physician.

If on Skin Wash skin with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

If Swallowed Seek medical attention if ill effect develops. Rinse mouth out with water. Rinsemouth. Do NOT induce vomiting. Obtain emergency medical attention.

If Inhaled Remove person to fresh air. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: Not expected to present a significant hazard under anticipated conditions of normal use.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable.
Hazards from decomposition products	No dangerous decomposition products known. fume. Carbon monoxide. Carbon dioxide
Suitable Extinguishing media	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Precautions for firefighters and special protective clothing	Appropriate self-contained breathing apparatus may be required. Do not enter fire area without proper protective equipment, including respiratory protection. Do not allow run-off from fire fighting to enter drains or water courses.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Use personal protective equipment as detailed in Section 8. Avoid breathing vapours/spray. Provide adequate ventilation.

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage into containers for disposal. Dispose of according to Local Regulations as detailed in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Avoid contact with skin and eyes.
- Do not eat, drink or smoke when using this product.
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Provide good ventilation in process area to prevent formation of vapour.

Precautions for Storage:

- Keep container tightly closed and dry.
- Keep in a cool, well-ventilated place.
- Keep only in the original container in a cool, well ventilated place.
- Keep container closed when not in use.
- Store away from strong bases and strong acids.
- Store away from sources of ignition and direct sunlight.

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

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Engineering Controls

No data available.

Personal Protection Equipment



Eyes	In case of splash hazard wear safety glasses or chemical goggles.
Hands and Skin	In case of splash hazard wear suitable protective nitrile rubber gloves and protective clothing.
Respiratory	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Wear appropriate mask.
General	Do not eat, drink or smoke during use.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Colourless to yellow
Odour	Neutral
Odour Threshold	Not available
pH	8 – 10.2
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	The product is not flammable.
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Density	1.01– 1.06kg/l
Solubilities	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Dynamic Viscosity	650 – 1400 mPa.s
Particle Size	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions of storage and use.
Hazardous Reactions	No dangerous reactions known under normal conditions of use. Not established.
Conditions to Avoid	None known. Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	Strong acids, Strong bases.
Hazardous Decomposition Products	No dangerous decomposition products known. fume. Carbon monoxide. Carbon dioxide

Section 11 Toxicological Information

Acute Effects:

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Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable. Slightly irritant but not relevant for classification pH: 8 – 10.2
Skin	Not applicable.

Chronic Effects:

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

Section 12. Ecotoxicological Information

Not hazardous to the environment.

Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Other adverse effects	No data available.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container. Recycle where possible. Dispose of as per Local Regulations.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

Section 15 Regulatory Information

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
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 2023 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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