

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Greenhouse Glassclean**  
 Product Use: Washing and cleaning products (including solvent based products. Surface cleaning  
 Professional use only  
 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: 4 June 2021

### Section 2. Hazards Identification

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

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Alkyl ether carboxylic acid, sodium salt	2.5 - 10	Proprietary
Anionic surfactants	<5	Proprietary

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.

If on Skin: Rinse and then wash with water and soap. Seek medical advice if needed,

If Swallowed: Rinse mouth with water. Call a poison center or a doctor if you feel unwell.

If Inhaled: Remove person to fresh air. Get medical advice if breathing becomes difficult.

#### Most important symptoms and effects, both acute and delayed

Symptoms: None known.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	None known.
<b>Suitable Extinguishing media</b>	Use fire extinguishing methods suitable to surrounding conditions.
<b>Precautions for firefighters and special protective clothing</b>	Wear self-contained respiratory protective device. Cool endangered tanks with water spray.
<b>HAZCHEM CODE</b>	<b>None allocated.</b>

**Section 6. Accidental Release Measures**

Wear suitable protective equipment as detailed in Section 8.

Remainder dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Put in a container for disposal. Dispose of according to Section 13.

**Section 7. Handling and Storage**

**Precautions for Handling and Storage:**

- Do not eat, drink or smoke while working.
- No special measures required.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

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 2019 11TH EDITION.

**Engineering Controls**

None known.

**Personal Protection Equipment**



<b>Eyes</b>	Use safety glasses that meets the requirements of EN 166.
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<b>Hands</b>	Use protective gloves to DIN EN374-3.
<b>Skin</b>	Wear suitable protective clothing.
<b>Respiratory</b>	Not required.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Light blue
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH @ 20°C</b>	2.98
<b>Boiling Point</b>	100°C
<b>Crystallization temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	23hPa @ 20°C
<b>Density @ 20°C</b>	1,024g/cm <sup>3</sup>
<b>Solubilities</b>	
<b>Water</b>	Fully miscible
<b>Refraction Index</b>	1.351
<b>Log Pow</b>	Not available
<b>Auto-ignition Temperature</b>	Product is not self-igniting.
<b>Decomposition Temperature</b>	Not available
<b>Viscosity, dynamic @ 20°C</b>	240mPas (S61, 20rpm)
<b>Particle Characteristics</b>	Not available
<b>Explosive Properties</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable under recommended storage and treatment circumstances.
<b>Possible hazardous reactions</b>	None known.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not classified.
<b>Dermal</b>	Not classified.
<b>Inhalation</b>	Not classified. ATE = LC50/4hr = 341 mg/l (rat)
<b>Eye</b>	Not classified.
<b>Skin</b>	Not classified.

### Chronic Effects:

<b>Carcinogenicity</b>	Not classified.
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<b>Reproductive Toxicity</b>	Not classified.
<b>Germ Cell Mutagenicity</b>	Not classified.
<b>Aspiration</b>	Not classified.
<b>STOT/SE</b>	Not classified.
<b>STOT/RE</b>	Not classified.

137-16-6 Sodium N-lauroylsarcosinate	
LD50 oral rat	> 2000 mg/kg (Rat)
LC50 /4hr	1.67 mg/L (rat)

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

<b>Product:</b>	
<b>Persistence and degradability</b>	Easily biodegradable
<b>Bioaccumulation</b>	Does not accumulate in organisms
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

137-16-6 Sodium N-lauroylsarcosinate	
LD50 /48hr	29.7 mg/l (Daphnia Magna)
LC50 /96hr	107 mg/L (rBrachydanio Rerio)
Erl50/72hr	79 mg/l (desmodesmus subspicatus)

## Section 13. Disposal Considerations

### Disposal Method:

Triple rinse. Smaller quantities can be disposed of with household waste.

**Disposal methods to avoid:** None known.

## Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2012

## Section 15 Regulatory Information

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

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	None

## Section 16 Other Information

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.

LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 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

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

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