

## Gro-Wet™

### Section 1: Identification of the Substance or Mixture and of the Supplier

<b>Product name:</b>	Gro-Wet
<b>Recommended use:</b>	A super spreading organosilicone surfactant blend
<b>Company details:</b>	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
<b>Telephone:</b>	+64 4 237 0905
<b>Email:</b>	grochem@grochem.co.nz
<b>Emergency telephone:</b>	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225)  Australia 1800 127 406 Other locations +64 4 917 9888  or The National Poisons Centre 0800 POISON (0800 764 766)
<b>Date of preparation:</b>	12 August 2013

### Section 2: Hazards Identification

#### Hazard classification (Transport):

Dangerous Goods (Transport) Class 9

#### Hazardous substances (HSNO):

6.1E Oral (WARNING: May be harmful if swallowed)  
6.1D Inhalation (WARNING: Harmful if inhaled)  
6.3B (WARNING: Causes mild skin irritation)  
8.3A (DANGER: Causes serious eye damage)  
9.1B (Toxic to aquatic life with long lasting effects)



### Section 3: Composition/Information on Ingredients

#### Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
Polyalkylene oxide	Proprietary	25-50%
Alcohol ethoxylate	9043-30-5	25-50%
Siloxane polyalkyleneoxide copolymer	Proprietary	25-50%
Non-Hazardous components		to 100%

## Section 4: First Aid Measures

<b>Symptoms of exposure:</b>	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:
If Swallowed	Possible effects include nausea, diarrhoea and stomach cramps.
If in Eyes	Causes serious eye damage.
If on Skin	Causes mild skin irritation.
If Inhaled	Harmful if inhaled.
<b>First aid actions:</b>	If exposed or concerned, get medical advice/attention. If medical advice is needed, have product container or label at hand.
If Swallowed	Do NOT induce vomiting. Give a glass of water to drink. Call a POISON CENTRE or doctor/physician if you feel unwell.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. Immediately call a POISON CENTRE or doctor/physician.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
<b>Workplace facilities:</b>	An eyewash, safety shower and general hygiene facilities should be available.
<b>Notes for medical personnel:</b>	Treat symptomatically.

## Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	There are no specific risks for fire/explosion for this chemical. It is non-flammable.
<b>HAZCHEM code:</b>	3Z
<b>Combustion products:</b>	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.
<b>Extinguishing media &amp; methods:</b>	CO <sub>2</sub> , foam or dry chemical. Do NOT use water jet as this will spread the fire.
<b>Recommended protective clothing:</b>	Fire-fighters to wear self-contained breathing apparatus.

## Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE. Avoid contact with liquid or vapours. Wear impermeable gloves and respirator if vapours or mist are likely to be generated.
<b>Containment and clean up:</b>	Contain using sand, earth or vermiculite. Prevent any spillage from entering drains, sewers or water courses. Collect and seal in properly labelled containers or drums for disposal. Material can create slippery conditions – beware of slippery floors and surfaces.
<b>Special requirements:</b>	See Section 13 for instructions for the disposal of waste/contaminated material.

## Section 7: Handling and Storage

<b>Subsection 1:</b>	<b>Handling</b>
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Avoid contact with eyes, skin or clothing. Do not breathe vapour or mist. Use adequate ventilation. Do not swallow. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse. Keep out of reach of children. Read label before use.

**Subsection 2:**

Site requirements

**Storage**

Store locked up in a cool place away from foodstuffs.

**Section 8: Exposure Controls/Personal Protection**
**Subsection 1:**

Workplace exposure standards

**Workplace Exposure Guidelines (may also be considered in section 2)**

 A workplace exposure standard (WES) has not been established. There is a general limit of 10mg/m<sup>3</sup> for dusts and mists when limits have not otherwise been established

**Subsection 2:**

Exposure control measures

**Engineering Controls**

Use only in a well ventilated area. Wear appropriate PPE and avoid contact. Efficient localised ventilation is recommended at points where vapours are generated at high temperatures.

**Subsection 3:**

Detail specifications for equipment

**Personal Protective Equipment (PPE)**

Avoid contact with eyes. Use safety glasses and/or chemical splash goggles if splashes are possible.

Wear impervious gloves (e.g. nitrile rubber, neoprene or PVC). Wear overalls and rubber boots. Wear a respirator when airborne concentrations approach the WES or when using an aerosol of the neat liquid.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Yellow to amber coloured liquid	<b>pH</b>	Not available
<b>Odour</b>	No odour	<b>Boiling point (degC)</b>	>150
<b>Specific gravity (kg/L)</b>	1.01 @ 25°C	<b>Freezing point (degC)</b>	-20
<b>Solubility</b>	Dispersible (water)	<b>Flammability Information</b>	165°C (ASTM D93)

**Section 10: Stability and Reactivity**
**Stability of substance:**

Stable under normal conditions.

**Conditions to avoid:**

Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames.

**Material to avoid:**

Avoid contact with strong bases in the presence of high temperatures, strong acids, strong oxidising agents or materials reactive with hydroxyl compounds.

**Hazardous decomposition products:**

Oxides of carbon and silicon.

**Hazardous polymerization:**

Not known to occur.

**Section 11: Toxicological Information**
**Data and interpretation:**

This product has been found to have high inhalation toxicity if the product is sprayed as an aerosol. This product has not been tested. The following toxicological data is for similar materials/ingredients

Acute Oral

Using LD50 for ingredients, the calculated LD50 (oral, rat) for the mixture is between 2000 and 5000 mg/kg.

Acute Dermal

No evidence of dermal toxicity. Similar mixtures have LD50 Rat: &gt;2000mg/kg.

Acute Inhalation

No data for the mixture. Alcohol ethoxylates are toxic if inhaled as an aerosol. 0.32 mg/L (aerosol; females): 0.34 mg/L (aerosol: combined male/female).

Acute Eye

Similar mixtures are considered to be strongly irritating. Rabbit: irritating to eyes (OECD Test Guideline 405).

See Section 2 for general hazard information.

**Section 12: Ecological Information**
**Potential Environmental Interactions:**

This substance is considered toxic in the aquatic environment with long lasting effects. Ecological data for this product is not available. The information below is based on data available for the components of the product and similar materials.

**Data organisation:**

Aquatic: Chronic hazard to the aquatic environment; similar material: EC50: 4.5mg/L (96hr, Oncorhynchus mykiss), 24mg/L (48hr, Daphnia magna), NOEC: 3.2mg/L (96hr, Oncorhynchus mykiss), 5.6mg/L (48hr, Daphnia magna).

**Environmental risk phrases:** Toxic to aquatic life with long lasting effects.

**Section 13: Disposal Considerations**

**Product disposal:** Use as directed on the label. Product may be recycled or purified by filtering or other means. The substance must be rendered non-hazardous before discharge to the environment.

**Container disposal:** Triple rinse empty container into spray tank. Dispose of at an approved recycling depot (eg Agrecovery).

**Section 14: Transport Information**

**UN Number:** 3082

**DG Class and Subsidiary Group:** 9

**Proper shipping name:** Environmentally Hazardous Substance, Liquid, N.O.S. Contains Alcohol Ethoxylate

**Packing group:** III

**HAZCHEM code:** 3Z

**Marine Pollutant:** Yes

**Special precautions:** Do not carry more than 1.0L on a passenger service vehicle.

**Section 15: Regulatory Information**

**Regulatory status:** Approved pursuant to the HSNO Act 1996. See [www.epa.govt.nz](http://www.epa.govt.nz) Additives, process Chemicals and Raw Materials Group Standard (HSR002503) for approval conditions.

**HSNO Trigger Quantities:** Trigger quantities for this substance:

Approved Handler Test Certificate: N/A

Tracking: N/A

SDS must be available for: Any quantity

Signage: 1000L

Emergency plan: 1000L

Bunding: 1000L

**Section 16: Other Information**

**Revision due:** 12 August 2018  
Changes to Hazard Classifications

**Additional information:** Directions for use are found on the product label.

**Glossary:**

CAS Chemical Abstract Services Number, used to uniquely identify chemical compounds

EPA Environmental Protection Agency

HSNO Hazardous Substances and New Organisms (legislation 1996)

LD50 Lethal Dose fatal to 50% of test animals/organisms

PPE Personal Protective Equipment

WES Workplace Exposure Limit

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.

