

## Excel® Plus Surfactant

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

<b>Product name:</b>	Excel® Plus Surfactant
<b>Recommended use:</b>	Enhanced horticultural mineral oil spreader for insecticides
<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 3 353 0199  or The National Poisons Centre 0800 POISON (0800 764 766)
<b>Date of preparation:</b>	28 May 2012

### Section 2: Hazards Identification

<b>Hazard classification (Transport):</b>	Not a Dangerous Good under the Land Transport Rule: Dangerous Goods 2005.
<b>Hazardous substances (HSNO):</b>	6.1E (WARNING: May be harmful if inhaled, swallowed, or in contact with skin) 9.1D (Harmful to aquatic life)

### Section 3: Composition/Information on Ingredients

Classification & type:	CAS No.	Proportion (%w)
Material		
Light Paraffinic Distillates	64742-55-8	>98
Non-hazardous emulsifiers	mixture	<2

#### 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	This product has laxative properties and may result in abdominal cramps and diarrhoea.
If in Eyes	No irritation is expected.
If on Skin	This product may cause slight skin irritation upon short-term direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis, which is characterised by dryness, chapping, and reddening. Prolonged or repeated contact may also result in oil acne, which is characterised by blackheads with possible secondary infection.
If Inhaled	Respiratory tract irritation is possible. Avoid breathing mists.
<b>First aid actions:</b>	
If Swallowed	Do NOT induce vomiting. Obtain emergency medical attention.
If in Eyes	Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
If on Skin	In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before re-use. Prolonged or repeated skin contact may cause skin irritation. If skin irritation occurs, get medical advice/attention.
If Inhaled	Move to clean air and make comfortable in a position making breathing easy.
<b>Workplace facilities:</b>	Regular personal hygiene facilities should be available. No special facilities are required.
<b>Notes for medical personnel:</b>	Treat symptomatically.

#### Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	Heat from fire can generate flammable vapour. When mixed with air and exposed to ignition source, vapours can burn in open or explode if confined. Vapours may travel long distances along ground before igniting and flashing back to vapour source.
<b>HAZCHEM code:</b>	N/A
<b>Combustion products:</b>	Combustion products include oxides of carbon.
<b>Extinguishing media &amp; methods:</b>	Use equipment/media appropriate to surrounding conditions. Use water fog, alcohol foam, carbon dioxide, dry chemical type extinguishers
<b>Recommended protective clothing:</b>	Fire-fighters should wear positive pressure, self-contained breathing apparatus.

## Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE Eliminate all sources of ignition (NO SMOKING).
<b>Containment and clean up:</b>	Ventilate area of leak or spill. Wear appropriate personal protective gear. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect in an appropriate container or absorb with an inert material (eg. vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials such as sawdust.
<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. Keep out of reach of children. Read label before use.
<b>Subsection 2:</b>	<b>Storage</b>
Site requirements	Store in a cool, dry area away from direct heat and sources of ignition. Bunding is required for quantities greater than 10,000L.
Packaging	Store in original packaging. Protect from puncture.

## Section 8: Exposure Controls/Personal Protection

<b>Subsection 1:</b>	<b>Workplace Exposure Guidelines (may also be considered in section 2)</b>
Exposure standards	Permissible exposure limit (PEL) and threshold limit value (TLV) for this product as oil mist is 5 Mg/m <sup>3</sup> . Exposures below 5 Mg/m <sup>3</sup> appear to be without significant health risk. The short-term exposure limit (STEL) for this product as an oil mist is 10 Mg/m <sup>3</sup> .
<b>Subsection 2:</b>	<b>Engineering Controls</b>
Exposure control measures	Use only in a well ventilated area. Avoid breathing mist.
<b>Subsection 3:</b>	<b>Personal Protective Equipment (PPE)</b>
Detail specifications for equipment	Avoid skin and eye contact and inhalation of mist. Wear overalls, chemical goggles and impervious gloves. Avoid generating mist of product and avoid inhaling spray mist. Always wash hands before smoking, eating, drinking or using the toilet.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Clear to pale yellow oily liquid	<b>pH</b>	Neutral
<b>Odour</b>	Petroleum odour	<b>Boiling point (degC)</b>	Not available
<b>Specific gravity (kg/L)</b>	0.86	<b>Freezing point (degC)</b>	Not available
<b>Solubility</b>	Dispersible in water	<b>Flashpoint (degC)</b>	>150

**Section 10: Stability and Reactivity**

<b>Stability of substance:</b>	Flammable substance.
<b>Conditions to avoid:</b>	None identified.
<b>Material to avoid:</b>	Do not mix with material of Class 5 (oxidisers).
<b>Hazardous decomposition products:</b>	Oxides of carbon are formed when burning.
<b>Hazardous polymerization:</b>	Will not occur.

**Section 11: Toxicological Information**

<b>Data and interpretation:</b>	No toxicity data has been identified for this product. See Section 2 for general hazard information.
---------------------------------	---

**Section 12: Ecological Information**

<b>Potential environmental interactions:</b>	If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming. This product is rapidly biodegradable. Biodegradation is possible within 90-120 days in aerobic environments at temperatures above 21°C.
<b>Environmental risk phrases:</b>	Do not release into the environment except when using as intended.

**Section 13: Disposal Considerations**

<b>Product disposal:</b>	Reprocess or burn in an approved incinerator in accordance with all local regulations at an approved waste disposal facility. Do not contaminate water supplies/pollute public waters. Do not flush to sewer.
<b>Container disposal:</b>	Triple rinse empty container into the spray tank. Deliver to an appropriate recycling depot (e.g. Agrecovery), or crush and bury at an approved landfill.

**Section 14: Transport Information**

<b>Special precautions:</b>	Do not carry more than to 2.5L on a passenger service vehicle. Segregate from Class 5 (oxidisers) and/or foodstuffs. Do not transport with Class 1 (explosive) goods.
-----------------------------	---

**Section 15: Regulatory Information**

**Regulatory status:** Approved Pursuant to the HSNO Act 1996, Number HSR002503.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

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

SDS must be available for	50L
Signage	10,000L
Emergency plan	10,000L
Bunding	10,000L

**Section 16: Other Information**

**Revision due:** 28 May 2017.

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

**Glossary:**

ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
PPE	Personal Protective Equipment

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.