

Umbrella™

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

Product name:	Umbrella
Recommended use:	Non-ionic Spreader Sticker Surfactant
Company details:	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.com
Emergency telephone:	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)
Date of preparation:	7 August 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Class 9 – Miscellaneous Dangerous Goods.
Hazardous substances (HSNO):	6.3B (WARNING: Causes mild skin irritation) 6.4A (WARNING: Causes serious eye irritation) 6.5B (WARNING: May cause an allergic skin reaction) 9.1A (WARNING: Very toxic to aquatic life with long lasting effects)



Section 3: Composition/Information on Ingredients

Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
di-1-p-menthene	34363-01-4	96
Alcohol Ethoxylate	68131-40-8	4

Section 4: First Aid Measures

Symptoms of exposure:	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	May cause nausea, vomiting and diarrhoea.
If in Eyes	Causes serious eye irritation.
If on Skin	Causes mild skin irritation, may cause an allergic skin reaction.

If Inhaled	None expected under typical workplace ventilation, but aerosol mist may cause mild irritation of nasal mucous membranes.
First aid actions:	
If Swallowed	Rinse mouth. 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. If eye irritation persists: Get medical advice/attention.
If on Skin	Wash with plenty of soap and water. If skin irritation or rash 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.
Workplace facilities:	Eyewash, safety shower and general hygiene facilities.
Notes for medical personnel:	Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Non flammable.
HAZCHEM code:	2X
Combustion products:	May produce oxides of carbon, aliphatic aldehydes and carboxylic acids.
Extinguishing media & methods:	Fine water spray, foam or dry agent. DO NOT use coarse water spray. Contain all run-off.
Recommended protective clothing:	Use liquid tight chemical suit and BA.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Stop the source of the spill if it is safe to do so. Contain the spill to prevent further contamination of the soil, surface or ground water. Do not allow material to enter sewers or bodies of water. Avoid release to the environment.
Small Spills:	Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Sweep up material when absorption is complete and dispose of safely in an approved landfill.
Large Spills:	Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Form a barricade around spill and in front of drains or waterways in spill vicinity using inert material. Sweep up and dispose of safely in an approved landfill. Contact emergency services as required.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Read label before use. Wear appropriate PPE as detailed in Section 8.3. Avoid contact with eyes, skin and clothing. Avoid breathing spray/mist. Wash thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.
Subsection 2:	Storage
Site requirements	Store in a cool, dry, well ventilated place away from direct sunlight. Keep away from strong oxidizing agents. Do not store near foodstuffs or feedstuffs.
Packaging	Store upright and closed in stainless steel or plastic containers.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	No exposure standards have been established.
Subsection 2:	Engineering Controls
Exposure control measures	Use in well ventilated areas. Vapour is heavier than air. Keep containers closed when not in use.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear impervious gloves, approved safety glasses, approved respirator if necessary and cotton overalls.
General Hygiene	Wash exposed skin after handling.

Section 9: Physical and Chemical Properties

Appearance	Clear amber viscous liquid	pH	Not available
Odour	Characteristic pinene hydrocarbon	Boiling point (degC)	Not available
Specific gravity (kg/L)	~ 0.95	Freezing point (degC)	Not available
Solubility	Emulsifies in water	Flashpoint (degC)	>93 °C

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal conditions.
Conditions to avoid:	Avoid exposure to heat.
Material to avoid:	Avoid contact with strong oxidizing agents.
Hazardous decomposition products:	Oxides of carbon may be produced on burning.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	Acute Oral Toxicity, Rat (LD50, mg/kg): >5050 Acute Dermal Toxicity, Rat (LD50, mg/kg): >5050 Acute Inhalation Toxicity, Rat (LC50, mg/L, 4hrs): >2.46 (highest conc. attainable – no deaths recorded).
	See Section 2 for general hazard information.

Section 12: Ecological Information

Potential environmental interactions:	Very toxic to aquatic life with long lasting effects. Non-toxic to bees (acute LD50: 200 µg/bee, 48 hrs). Non-toxic to earthworms (acute LC50: 1000 mg/kg, 14 days).
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Section 13: Disposal Considerations

Product disposal:	Do not allow waste product to enter waterways. If unable to use as directed, consult with local authorities for disposal at local waste management facilities.
Container disposal:	Flush into spray tank. Dispose of container at appropriate waste processing facilities.

Section 14: Transport Information

UN Number:	3082
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, NOS
DG Class and Subsidiary Group:	9
Packing group:	III
HAZCHEM Code:	2X
Special precautions:	Do not carry more than 2.5L on a passenger service vehicle.

Section 15: Regulatory Information

Regulatory status:	Approved pursuant to the HSNO Act 1996 Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006. HSR002503. See www.epa.govt.nz for approval conditions.
HSNO trigger quantities:	Trigger quantities for this substance:
SDS must be available for	Any quantity
Signage	100L
Emergency plan	100L
Bunding	100L

Section 16: Other Information

Revision due:	7 August 2022.
Additional information:	Directions for use are found on the product label.
Glossary:	
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LC50	Lethal Concentration fatal to 50% of test animals/organisms
LD50	Lethal Dose fatal to 50% of test animals/organisms
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.