

Infosafe No™ 3NU20	Issue Date : October 2018	ISSUED by NUFARM
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 Product Name **DuWett® Low Volume Application Spreader**

Classified as hazardous

1. Identification

GHS Product Identifier	DuWett® Low Volume Application Spreader
Product Code	3375
Product Type	Surfactant/Sticker
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	For use with low volume application to enhance the spreading and foliage deposition of fungicides, insecticides, plant growth regulators and foliar nutrients as per the Directions for Use table on the label.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	GT/VT/IT 4 Acute Toxicity - Inhalation: Category 4 ED1 Eye Damage/Irritation: Category 1 SS-1 Sensitization - Skin: Category 1 AC2 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
Signal Word (s)	DANGER
Hazard Statement (s)	H332 Harmful if inhaled. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Corrosion, Exclamation mark, Environment, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention	P261 Avoid breathing mist, vapours and spray. P280 Wear protective gloves, clothing, eye and face protection. P272 Contaminated work clothing should not be allowed out of the workplace.
Precautionary statement – Response	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse.
Other Information	Poisons Schedule : Not Scheduled

3. Composition/information on ingredients

Chemical Characterization	Liquid
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Trisiloxane Ethoxylate	500 g/L
Polyalkylene Oxide	10-30 %
Alcohol Ethoxylate	<35%

4. First-aid measures

Inhalation If symptoms develop or persist, seek medical advice.

Ingestion If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Give a glass of water.

Skin If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.
If irritation persists, seek medical advice.

Eye contact If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice if irritation develops or persists.

First Aid Facilities Provide facilities for eye washing and showering, especially at places where the concentrate is being handled.

Advice to Doctor Treat symptomatically.
If vomiting occurs, surfactant present may cause pulmonary pneumonitis.
If lavage is performed, suggest endotracheal and /or oesophagospic control.
Care must be taken with gastric lavage due to the aspiration hazard associated with this product.

5. Fire-fighting measures

Suitable extinguishing media Water fog, foam, carbon dioxide or dry chemical.
Avoid using large volumes of water which would spread the product.

Hazards from Combustion Combustible liquid at high temperatures.
If involved in a major fire, could evolve oxides of silicon or carbon.

Products

Special Protective Equipment for fire fighters Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

Other Information STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).
Collect in sealed open top containers for disposal.
On-site disposal of concentrate is not acceptable.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

Environmental Precautions Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling No special precautions are necessary when handling sealed containers.
For personal protective equipment (PPE) and hygiene advice, refer Section 8.

Conditions for safe storage, including any incompatibilities Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.
Store in the closed, original container in a cool, well ventilated area.
Do not store for prolonged periods in direct sunlight.
Do not store below 4 °C.

Other Information Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standard has been established for this product.

Appropriate engineering controls Natural ventilation is sufficient when handling concentrate and preparing spray solution.

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Eye Protection	Eye protection is essential.
Hand Protection	PVC, neoprene or natural rubber gloves.
Personal Protective Equipment	When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. Re-entry period: Do not enter treated area until spray has dried.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

9. Physical and chemical properties

Form	Liquid
Appearance	Clear colourless liquid
Odour	Mild
Melting Point	<5°C
Boiling Point	>150°C
Solubility in Water	Disperses in water.
Specific Gravity	1.00
pH	7-8 (1% in water)
Vapour Pressure	<0.13 kPa (20°C)
Flash Point	110°C
Flammability	Combustible liquid C2. (AS1940 - 2017). A C2 combustible liquid is not a combustible liquid within the meaning of the Australian Code for the Transport of Dangerous Goods by Road & Rail.
Flammable Limits - Lower	Not known.
Flammable Limits - Upper	Not known.

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Excessive heat and fire.
Incompatible Materials	Will break down rapidly when mixed with highly acidic or highly alkaline chemicals.
Possibility of hazardous reactions	Keep away from strong oxidising agents.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Acute Toxicity - Oral	LD50 (rat) >2000 mg/kg
Acute Toxicity - Dermal	LD50 (rat) >4000 mg/kg
Acute Toxicity - Inhalation	No data available.
Ingestion	If aspirated into the lung, e.g. from vomiting, the presence of surface active agents may result in chemical pneumonitis or other lung damage.
Inhalation	Not a likely route of exposure when handling the concentrate.
Skin	Will irritate the skin. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.

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Eye	The concentrate will cause irritation of the eyes.
Skin Sensitisation	Product is a skin sensitiser.
Carcinogenicity	Data indicates no carcinogenic effects.
Reproductive Toxicity	Data indicates no reproductive effects. Data indicates no teratogenic effects.
Chronic Effects	No information available, no chronic effects expected.
Serious eye damage/irritation	The product is an eye irritant.
Mutagenicity	Data indicates no mutagenic effects.
Skin corrosion/irritation	Mild to moderate skin irritant.

12. Ecological information

Known Harmful Effects on the Environment	This and related products do not appear to pose any threat to birds. This and related products do not appear to pose any threat to fish or other aquatic organisms other than in very high concentrations.
Other Precautions	Do not contaminate dams, waterways or sewers with this product.
Acute Toxicity - Fish	The following is data for the ingredient, trisiloxane ethoxylate. LC50 (96hr) for rainbow trout is 4.5 mg/l. NOEC (96hr) for rainbow trout is 3.2 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia magna is 24 mg/l for trisiloxane ethoxylate.

13. Disposal considerations

Product Disposal	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Container Disposal	Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

Transport Information Storage and Transport	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs. Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
UN Number (Sea Transport)	For bulk shipments as Class 9, use UN 3082, HazChem code •3Z. UN 3082

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IMO Class/Packing Group	Class 9; Packing group III
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains trisiloxane ethoxylate)

15. Regulatory information

Poisons Schedule	Not Scheduled
Packaging & Labelling	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 58702.

16. Other Information

Date of preparation or last revision of SDS	Revised 25/10/2018. This MSDS replaces document dated July 2016.
Contact Person/Point	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted	The SDS was reviewed. Minor changes were made to the information. Flammibility classification updated in section 9.
Other Information	® Registered trademark of Elliott Chemicals Limited. ...End Of MSDS...

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