SAFETY DATA SHEET

DU-WETT Date of Issue: November 2021

1. IDENTIFICATION

Product Identifier: **DU-WETT® LOW VOLUME APPLICATION SPREADER**

Other Means of Identification: Silwet 636

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 Directions for Use.**

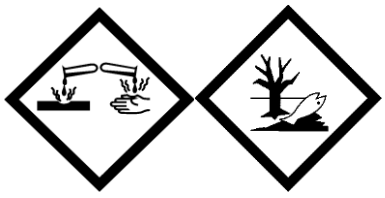
Details of Manufacturer or Importer:

Manufacturer: Momentive Performance Materials (Thailand) Ltd
1/2 Moo 4, Asia Industrial Estate,
Rayong, 21130 Thailand
+66-3899 7899
commercial.services@momentive.com

Importer: AgNova Technologies Pty Ltd
Unit 4, 482 Kingsford Smith Drive
Hamilton, Qld 4007 Australia
(03) 9899 8100
info@agnova.com.au
agnova.com.au

Emergency Phone Number: 1800 033 111 (24 hrs)
Poisons Information Centre 13 11 26

2. HAZARD(S) IDENTIFICATION



Pictogram: Corrosion, Environment

Signal Word: ‘Danger’

GHS Hazard Class and Category:
Serious Eye Damage - Category 1: 'Danger'
H318 Causes serious eye damage.

Chronic Aquatic Toxicity - Category 2: 'No signal word'
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:
Prevention
P273 Avoid release to the environment.
P280: Wear eye protection/face protection.

Response
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 CENTRE/doctor.
P391: Collect spillage.

Storage
No additional statements.

Disposal
P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

ADG Classification: This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail. See section 14.

SUSMP Classification: Not a scheduled poison (Standard for Uniform Scheduling of Medicines and Poisons)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS No:	Concentration*:
Siloxane Polyalkylenoxide Copolymer	Trade secret**	30-60%
Alcohol ethoxylate	78330-20-8	10-30%
2-Propanol	67-63-0	<0.1%
Acetaldehyde	75-07-0	<0.1%

*All concentrations are percent by weight
**A specific chemical identity and/or percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.

Description of Necessary First Aid Measures:

Inhalation:	After inhalation of aerosol/mist seek medical advice immediately. Move the exposed person to fresh air at once.
Skin contact:	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms persist. Wash contaminated clothing before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.
Ingestion:	Do NOT induce vomiting. If conscious, drink plenty of water. Seek medical attention.
First Aid Facilities:	Provide washing facilities in the workplace.
Symptoms Caused by Exposure:	No data available.
Medical Attention and Special Treatment:	Treat symptomatically. No specific antidote known.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Equipment:	Alcohol resistant foam. Carbon dioxide Dry chemical. Use water spray to keep fire-exposed containers cool. Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.
Specific Hazards Arising from the Chemical:	No data available.
Special	Wear self-contained breathing apparatus and protective clothing.

Protective Equipment and Precautions for Firefighters:	Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors and spray mists. Use personal protective equipment.
Environmental Precautions:	Do not allow runoff to sewer, waterway or ground.
Methods and Materials for Containment and Cleaning Up:	Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal. Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of dust and vapors.
Conditions for Safe Storage, including any Incompatibilities:	Store in a dark, cool place indoors with container tightly closed. Avoid any source of heat, direct sunlight and strong light. Store in original container. Keep away from sources of ignition - No smoking.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	Control parameters: Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values		Source
2-Propanol	TWA	400 ppm	983 mg/m³	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A), as amended (04 2013)
	STEL	500 ppm	1230 mg/m³	
Dipropylene Glycol Methyl Ether:	TWA	50 ppm	91 mg/m³	
	STEL	20 ppm	36 mg/m³	

Biological Monitoring: Biological Limit Values: None of the components have assigned exposure limits.

Control Banding: No data available.

Engineering Controls: Provide eyewash station and safety shower. General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment. Provide adequate ventilation if fumes or vapours are generated.

Individual Protection Measures, for example, Personal Protective Equipment (PPE):

General information.
General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.
Eye and face protection: No data available.
Skin protection:
Specific protection for the hands: No data available.
Body protection: Wear suitable protective clothing and eye/face protection.
Respiratory protection: Respirator with a vapour filter (EN 141).
Thermal hazards: No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Colour: Colourless
Odour: Mild
Melting Point/Freezing point: -5 °C

Boiling Point:	>150 °C (1.013 hPa) estimated
Flammability:	No data available
Lower and Upper Explosion Limit/Flammability Limit:	No data available
Flash Point:	110°C (ASTM D 93)
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	No data available
Kinematic Viscosity:	No data available
Solubility, in water:	Dispersible
Partition Coefficient: n-octanol/water (log value):	No data available
Vapour Pressure:	<1.33 hPa (20°C)
Density:	1.0067 g/cm^3 (25°C)
Vapour Density:	Heavier than air
Evaporation Rate:	<1 (n-Butyl acetate=1)

10. STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	None known.
Incompatible Materials:	Normally unreactive; however avoid contact with: Materials reactive with hydroxyl compounds.
Hazardous Decomposition Products:	In case of fire, gives off (emits): Carbon oxides, Oxides of silicon. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation

of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Product has been tested.

Acute Toxicity:

Oral Toxicity: LD 50 (Rat), (female) 2.500 mg/kg
(OECD-Guideline 423 (Acute Oral Toxicity - Acute Toxic Class Method))

Dermal Toxicity: LD 50 (Rabbit) male and female >2000 mg/kg (OECD Test Guideline 402)
Not classified

Inhalation Toxicity: Inhalation Product: LC50 Rat (4 h): >11,78 mg/L Aerosols 5% Diluted aqueous solution.
The health hazard evaluation is based on the toxicological properties of a similar material.
LC50 Rat (4 h): 2 mg/L Aerosols.
The health hazard evaluation is based on the toxicological properties of a similar material.
ATEmix (4 h): 26,19 mg/L Vapour

Repeated Dose Toxicity: No data available.

Skin Corrosion/ Irritation: OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 72 h):
No skin irritation.

Serious Eye Damage/ Irritation: OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit):
Corrosive
This substance is corrosive.

Respiratory or Skin Sensitisation: OECD Guideline 429 (LLNA) (Mouse) Sensitiser

Germ Cell Mutagenicity: *In vitro*: Ames-Test (OECD-Guideline 471 (Genetic Toxicology: *Salmonella typhimurium*, Reverse Mutation Assay)): positive
In vivo: No data available.

Carcinogenicity:	No data available. No carcinogenic components identified.
Reproductive Toxicity:	No data available.
Specific Target Organ Toxicity (STOT) – single exposure:	No data available.
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data available.
Aspiration Hazard:	No data available.
Other Effects:	This material was not mutagenic in three mammalian test systems including the Chinese Hamster Ovary (CHO)/HGPRT gene mutation assay, a micronucleus cytogenetic assay in mice, and an *in vitro* mammalian cytogenetic test. In a repeated skin application study with rats, this material caused moderate skin irritation which resolved during a post-application recovery period. There was no evidence for percutaneous cumulative or specific organ toxicity, and no effect on male or female reproductive systems. Findings from a 14-day dietary feeding study with rats show that high dosage repeated ingestion of this material causes reversible adverse effects on the male and female reproductive tracts. Additional effects seen include increased liver weight, altered blood cytology/chemistry, and thyroid enlargement (primarily hypertrophy, with some hyperplasia). Evidence of partial or complete recovery was found over a 28-day recovery period. Findings from a repeat 9-day aerosol inhalation toxicity study with rats show a no-observable-effect-level (NOEL) of less than 0.025 mg/L. Symptoms of toxicity included rales, gasping, ocular opacity, prostration, hypothermia, reduced body weight gain and food consumption, changes in clinical pathology, decreased thymus weight, and microscopic lesions in the nasal cavity. There was no effect on the male or female reproductive systems. It is not anticipated that the use of aqueous dilutions of this product would result in this type of aerosol exposure.

Information on Possible Routes of Exposure:
No data available.

Symptoms related to the Physical, Chemical and Toxicological Characteristics:
No data available.

12. ECOLOGICAL INFORMATION

Product has been tested.

Ecotoxicity:

Acute hazards to the aquatic environment.

Toxicity to Fish:	(*Oncorhynchus mykiss*, 96 h): 4.5 mg/L The health hazard evaluation is based on the toxicological properties of a similar material. NOEC (*Oncorhynchus mykiss*, 96 h): 3.2 mg/L The health hazard evaluation is based on the toxicological properties of a similar material.
Toxicity to Aquatic Invertebrates:	EC50 (*Daphnia magna*, 48 h): 24 mg/L NOEC (*Daphnia magna*, 48 h): 5.6 mg/L The health hazard evaluation is based on the toxicological properties of a similar material.

Chronic hazards to the aquatic environment.

Toxicity to Fish:	No data available.
Toxicity to Aquatic Invertebrates:	No data available.
Toxicity to Aquatic Plants:	No data available.

Persistence and Degradability: The product is not readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:
Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. The generation of waste should be avoided or minimised wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

14. TRANSPORT INFORMATION

Transport Classification:	**Road and Rail Transport:** Not dangerous goods under the ADG7 when being transported in IBCs or other receptacles <500 L (kg), Special Provision AU01). **Marine and Air:** Classified as Dangerous Goods for transport by sea and air according to the criteria of the UN Model Regulations for Transport of Dangerous Goods 13th Edition
UN Number:	UN 3082
Proper Shipping Name or Technical Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Siloxane Polyalkyleneoxide Copolymer)
Transport Hazard Class:	9
Packing Group Number:	III
Environmental Hazards for Transport Purposes:	Marine Pollutant
Special Precautions for User:	None
Additional Information:	Limited quantities: 5 L
Hazchem Code:	•3Z

15. REGULATORY INFORMATION

APVMA:	Registered according to the Agricultural and Veterinary Chemicals Act 1994 (Cwlth). APVMA Product Number: 58702
SUSMP:	Not scheduled
Montreal Protocol (Ozone depleting substances):	Not applicable
The Stockholm Convention (Persistent Organic Pollutants):	Not applicable
The Rotterdam Convention (Prior Informed Consent):	Not applicable

16. OTHER INFORMATION

Date of Preparation or Revision:	November 2021
Reason for Revision:	Not applicable. Initial version.
Abbreviations and Acronyms:	ADG – Australian Dangerous Goods Code APVMA – Australian Pesticides and Veterinary Medicines Authority ASTM – American Society for Testing and Materials EC – Effective Concentration GHS – Globally Harmonised System of Classification and Labelling of Chemicals LD – Lethal Dose LC – Lethal Concentration NOEC – No Observed Effect Concentration OECD – Organisation for Economic Co-operation and Development OEL – Occupational Exposure Limit STEL – Short Term Exposure Limit

SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons
TWA – Time Weighted Average

Data Sources: Manufacturer product safety data sheet (Momentive Performance Materials (Thailand) Ltd) and published data

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF SDS