



GROWETTA AGRICULTURAL SOIL WETTING AGENT

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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Product Name: GroWetta Agricultural Soil Wetting Agent
Product Use: Improves water penetration and retention in non-wetting soils.
For use with no-till furrow sowing to improve germination and crop yields.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS NO.	Proportion
Polyoxy Alkylene Glycol Ether	-	100%

3. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to health criteria of NOHSC Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

4. FIRST AID MEASURES

Skin Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation persists seek medical advice.
Eyes Immediately irrigate with copious quantities of water for at least 15 minutes. In all cases of eye contamination it is advisable to seek immediate medical advice.
Inhalation Remove victim from exposure. Seek medical assistance if effects persist.
Ingestion Rinse mouth with water, Give plenty of water to drink. DO NOT induce vomiting. Seek medical assistance.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

Combustible liquid but not considered to be a significant fire risk. May produce fumes containing carbon monoxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. Avoid strong oxidizing agents or alkali metals.

Extinguishing Media Water, foam, carbon dioxide, dry powder, BCF.

6. ACCIDENTAL RELEASE MEASURES

Spills

Cover with an inert absorbent (soil, sand, vermiculite) to dispose of in sealed labelled drum. Prevent run off into drains and waterways. Spillages are slippery.

Disposal

Refer to State Land Management Authority. Normally suitable for disposal at approved land waste site or incineration.

MATERIAL SAFETY DATA SHEET

7. HANDLING AND STORAGE

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. Refer to State Regulations for storage and transport requirements. Store in closed, original container in a cool, well ventilated place, as cool as possible. Triple rinse containers before disposal and add rinsings to tank.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (TWA)

No value assigned for this specific material or its ingredients by the National Occupational Health and Safety Commission (Work safe Australia).

Handling Controls

Use good occupational work practice with good natural or mechanically aided ventilation.

Personal Protection

To avoid eye contact and repeated or prolonged skin contact wear overalls, goggles and impervious gloves. Wash contaminated clothing before re-use. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour:	Clear viscous liquid
Solubility:	Soluble in water
Specific Gravity (20°C):	1.05 approx.
Flashpoint	>250°C
pH (1% aq)	6.5

10. STABILITY AND REACTIVITY

Stability: Avoid strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Health Effects

Short term exposure by all routes is considered to be practically non harmful.

Skin Will degrease skin and may lead to mild irritation on repeated or prolonged exposure.

Eyes Not expected to be an eye irritant.

Inhalation Not normally an inhalation risk due to low vapour pressure at ambient temperature.

Ingestion: Ingestion may cause nausea, vomiting and diarrhoea, abdominal pain and irritation of the gastrointestinal tract.

As with any chemical, ingestion, inhalation, and prolonged or repeated skin contact should be avoided by good occupational work practice.

Toxicity

No LD50 Data available for product.

Based on knowledge of the similar products, it is expected that:

Acute oral LD50 (rat) : >2000 mg/kg

Skin (rabbit): Slight/mild irritation.

12. ECOLOGICAL INFORMATION

Biodegradable. BOD 28 day/COD 3%

96hr LC50 (rainbow trout) >1000 mg/L 6hr LC50 (Pseudomonas putida) >1000 mg/L

13. DISPOSAL CONSIDERATIONS

Triple or, preferably, pressure rinse containers before disposal. If recycling, replace cap and return containers to recycler or designated collection point. If not recycling, break, crush, puncture and bury empty containers in local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and setup for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor.

MATERIAL SAFETY DATA SHEET

14. TRANSPORT INFORMATION

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. Refer to State Regulations for storage and transport requirements. Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail. No special precautions required.

15. REGULATORY INFORMATION

Based on available information, not classified as hazardous according to health criteria of NOHSC Australia.

U.N. No:	None Allocated
CLASS: C2	Combustible
HAZCHEM:	None Allocated
PACK GRP:	None Allocated
EPG:	None Allocated
POISONS SCHEDULE:	None Allocated

16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. **Gulf Ag Pty Ltd** will not be responsible for any damages that may result from reliance on the information contained herein.

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