

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Maximiser Elite NZ Soil Wetting Agent**
Product Use: Soil wetting agent.
Restriction of Use: Refer to Section 15

Manufacturer: **Turf Culture Pty Ltd**
43 Gap Rd, Sunbury,
VIC, 3429 Australia
Telephone: +61 413 587 682

New Zealand Supplier: **PGG Wrightson Turf Ltd**
Address: 31 Allright Place, Mt Wellington
Auckland, New Zealand
Telephone: +64 09 570 2570

Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 15 October 2019

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Additives, Process Chemicals and Raw Materials (subsidiary) – HSR002503

Pictograms



Irritant

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
AUH066	-	Repeated exposure may cause skin dryness or cracking	Not applicable
9.1C	H412	Harmful to aquatic life with long lasting effects.	Aquatic Chronic 3

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	Refer to Section 7

Disposal Code	Disposal Statement
P501	Refer to Section 13

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Conc %w/w	CAS NUMBER.
Blend of nonionic surfactants	>60%	Proprietary
Water	22.45	7732-18-5

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the particles are removed, while holding the eyelid(s) open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye(s). Take special care if exposed person is wearing contact lenses. If eye irritation persists: Get medical advice/attention.
If on Skin	Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. If skin irritation occurs: get medical advice/attention.
If Swallowed	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.
If Inhaled	First aid is not generally required. If in doubt, Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	May be harmful if swallowed.
Inhalation:	Not applicable.
Skin:	Not applicable.
Eye:	Causes serious eye irritation.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable or combustible.
Hazards from decomposition products	This product is likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Suitable Extinguishing media	Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog. Avoid the use of water jets.

Precautions for firefighters and special protective clothing	If a significant quantity of this product is involved in a fire, call the fire brigade. Cool closed, undamaged containers exposed to fire with water spray.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or watercourses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Can be slippery on floors, especially when wet. Recycle containers wherever possible after careful cleaning. After spills, wash area-preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Wash hands thoroughly after handling.
- Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store packages of this product in a cool place.
- Make sure that containers of this product are kept tightly closed.
- Protect this product from light.
- Some liquid preparations settle or separate on standing and may require stirring before use.
- Check packaging - there may be further storage instructions on the label.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Engineering Controls

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Personal Protection Equipment



Eyes	Eye protection such as protective glasses or goggles is recommended when this product is being used.
Skin & hands	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely. We suggest that protective clothing be made from the following materials: rubber, PVC.
Respiratory	Usually, no respirator is necessary when using this product.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Clear to slightly hazy
Odour	Not available
Odour Threshold	Not available
pH	5-6
Boiling Point	Approximately 100°C at 100kPa
Melting Point	Liquid at normal temperatures
Freezing Point	Liquid at normal temperatures
Flash Point	>150°C
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	2.37 kPa at 20°C (water vapour pressure)
Vapour Density	As for water
Specific Gravity	1.0 approx
Water Solubility	Completely soluble in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Volatiles	Water component

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid	This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Protect this product from light.
Incompatible Materials	Strong oxidising agents.

Hazardous Decomposition Products	This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
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Section 11 Toxicological Information

Acute Effects:

Swallowed	May be harmful if swallowed. This product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort, which should disappear once contact ceases.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Maximiser Elite	3323 mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

HSNO Classes: 9.1C : Harmful to aquatic life with long lasting effects.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Individual component information (Please refer to www.epa.govt.co.nz for full details):

Polyethylene glycol nonylphenyl ether (Cas No 9016-45-9):

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Lepomis macrochirus Bluegill Sunfish	96 hr	1.3 mg/L
Chronic aquatic, fish	Medaka	-	0.0082 mg/L
Crustacean	Daphnia pulex Water flea	48 hr	4.8mg/L
Bioaccumulative	No		
Rapidly Degradable	No		

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Oncorhynchus mykiss):	96 hr	2.1 mg/L
Chronic aquatic, fish		-	No Data
Crustacean	Daphnia Magna	48 hr	1.1 mg/L
Algae	Scenedesmus spec.	72 hr	EbC50 28.2 mg/l
Algae	Scenedesmus spec.	72 hr	ErC50 152.2 mg/l
Bioaccumulative	No Data Available		
Rapidly Degradable	Yes		

Section 13. Disposal Considerations

Disposal Method:

This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Additives, Process Chemicals and Raw Materials (subsidiary) – HSR002503

HSNO Classification: 6.1E(Oral), 6.4A, 9.1C

HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	1000L (9.1C)
Emergency Response Plan (Schedule 5)	1000L (9.1C)
Secondary Containment (Schedule 5)	1000L (9.1C)
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
Restrictions of Use	None specified
ACVM Act and Regulations	
Approval No:	This product is Exempt from registration with ACVM

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.

OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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