



headland
AMENITY PRODUCTS

PRODUCT SAFETY DATA SHEET

THROTTLE MAPP 13900

A fungicide for use on amenity turf

1. Marketed by:

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2. Composition:

Chemical Name	CAS No.	EU No.	Concentration	Classification	Risk Phrases
Prochloraz	67747-09-5	266-994-5	267g/l	Xn, N	R22, R50-53
Tebuconazole	107534-96-3	403-640-2	133g/l	Xn, N	R22, R51-53, R63

3. Hazards:

3.1 Classification of Preparation:



IRRITANT



TOXIC TO THE ENVIRONMENT

3.2 Primary Hazards

This product is irritating to eyes. Possible risk to the unborn child. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4. First Aid Measures:

4.1 Eyes:	Immediately rinse eyes with clean water for at least 15 minutes. Consult an eye specialist.
4.2 Skin:	Remove contaminated clothing immediately. Wash all exposed skin thoroughly with soap and water followed by a warm water rinse.
4.3 Ingestion:	DO NOT induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a doctor immediately.
4.4 Inhalation:	Remove victim to fresh air. Consult a doctor if patient feels unwell. Note to Doctor: There is no specific antidote. Treat symptomatically and give supportive therapy. If ingested, perform gastric lavage and administer activated charcoal.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media

For small fire use dry chemical, water or carbon dioxide. For large fire use Water spray, water fog or foam.

5.2 Unsuitable Extinguishing Media

As appropriate for surrounding fire.

5.3 Special Hazards, Combustion or By-Products

Fight fires from a protected location. Dyke fire control water for later disposal. Thermal decomposition generates nitrogen oxides, carbon dioxide, carbon monoxide and chlorides.

5.4 Protective Clothing for Fire Fighting

Firefighters should wear full protective overalls and self contained breathing apparatus.

6. Accidental Release (Spillage)

6.1 Personal Precautions

Use appropriate personal protective equipment as stated in section 8.

6.2 Environmental Precautions

Dispose of this material and its container at hazardous or special waste collection point in accordance with local regulations. If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers should be dug out and put into containers for later disposal as above.

6.3 Clean & Disposal Methods

For minor spillages, absorb in sand or other inert material. Use appropriate containment to avoid environmental contamination. In the event of major spillages, collect and contain as much free liquid as possible. Dyke spills using absorbent or impervious materials such as sand or clay for later disposal.

7. Storage and Handling

7.1 Practical Precautions and Engineering Controls for Safe Handling

Keep in original container, tightly closed. DO NOT breathe fumes. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Wash clothing before re-using.

7.2 Conditions and Quantity Limits for Safe Storage

Keep in a cool and dry in place in an adequately ventilated area. Keep at temperatures not exceeding 50°C.

8. Personal Protection

8.1 Exposure Limit Values

None established.

8.2 Occupational Exposure Controls

None established.

8.3 Personal Protective Equipment

Use suitable breathing equipment during spraying. Use protective gloves, clothing, chemical resistant boots and goggles or face shield.

9. Physical and Chemical Properties

9.01 Appearance:	A yellowish liquid
9.02 Odour:	Characteristic
9.03 pH:	Not stated
9.04 Boiling Point / Range	Not stated
9.05 Flash Point / Flammability:	Not applicable
9.06 Explosive Properties:	Not classified as explosive
9.07 Oxidising Properties:	Not classified as oxidising
9.08 Vapour Pressure:	Not applicable
9.09 Relative Density:	Not applicable
9.10 Solubility:	Emulsifiable
9.11 Partition Coefficient:	Not applicable
9.12 Viscosity:	Not stated
9.13 Vapour Density:	Not applicable
9.14 Evaporation Rate:	Not applicable

10. Stability and Reactivity

10.1 Materials to Avoid:

Keep away from strong acids and strong bases.

10.2 Conditions to avoid:

Protect from sunlight, open flame and sources of heat. Decomposes upon heating.

10.3 Hazardous Decomposition Products:

Thermal decomposition generates nitrogen oxides, carbon monoxide, carbon dioxide and chlorides.

11. Toxicological Information

Acute Oral LD50:	>2000mg/kg (rat)
Acute Dermal LD50:	>2000mg/kg (rat)
Inhalation LC50:	>5.35mg/l 4 hours (rat)
Dermal Irritation:	Non irritant (rabbit)
Eyes Irritation:	Irritant (rabbit)
Sensitisation:	Non sensitiser

12. Environmental Protection

12.1 Ecotoxicity:

96 hour LC50	Rainbow Trout	1.77mg/l	
48 hour EC50	Daphnia magna	12mg/l	
72 hour EbC50	Algae	0.410mg/l	
72 hour ErC50	Algae	3.44mg/l	
LD50	Birds	>2000mg/kg	
LC50	Birds	>2000mg/kg	
LD50	Bees	Oral	58.1µg/Bee
		Contact	74.6µg/Bee

12.2 Mobility:

Not stated.

12.3 Persistence and Degradability:

Not stated.

12.4 Bio-accumulative Potential:

Not stated.

13. Disposal of Unwanted Product and Used Containers

13.1 Disposal of Used Preparation:

Consult the local authorities before disposing of unwanted chemicals.



13.2 Disposal of Packaging:

Consult the local authorities before disposing of unwanted packaging.

14. Transport Information

Road Transport Class:	Hazardous
UN Number:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (267g/l PROCHLORAZ + 133g/l TEBUCONAZOLE)
CPL Packing Group:	III
IMDG Class:	9 – Marine pollutant

15. Regulatory Information

Risk Phrases:	 HARMFUL	 DANGEROUS FOR THE ENVIRONMENT
R36:	Irritating to eyes	
R50/53:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
R63:	Possible risk of harm to the unborn child.	
Safety Phrases:		
S2:	Keep out of reach of children	
S13:	Keep away from food, drink and animal feeding stuffs	
S20/21:	When using, DO NOT eat, drink or smoke	
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice	
S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection	
S61:	Avoid release to the environment. Refer to special instructions/data sheets	

16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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