Safety Data Sheet

TREEMASTA™
ALL-IN-1 ADDITIVE FOR TREE WATERING

Date of Issue: 9/04/2024

1. IDENTIFICATION

GHS Product Identifier
TreeMasta™

Product Code
TRM0005, TRM0020, TRM0200, TRM1000

Company Name
StrataGreen

Address
PO Box 3024 Lesmurdie WA 6076

email: info@stratagreen.com.au
website: www.stratagreen.com.au

Emergency telephone number: 0448 314 656
Poisons Information Centre 13 1126

2. HAZARD IDENTIFICATION

GHS Classification of the substance/mixture
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2

Signal Word(s)
WARNING

Hazard Statement(s)
H315 Causes skin irritation.
H318 Causes serious eye irritation.

Pictograms
Exclamation mark

Precautionary statement - Prevention
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement - Response
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P315+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and was before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

NAME	CAS	PROPORTION
Potassium hydroxide	1310-58-3	< 1%
Ingredients determined not to be hazardous, including water		Balance
Proprietary Surfactant Blend		10-30%

4. FIRST-AID MEASURES

Inhilation
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion
Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before use or discard. Seek medical attention.

Eye Contact
If in eyes, hold eyelids apart and flush the eyes continously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminations are washed out completely. Seek medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically

Other Information
For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use appropriate fire extinguisher for surrounding environment.

Unsuitable Extinguishing Media
High volume water jet.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

Specific Hazards Arising from the Chemical
This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

Decomposition Temperature
Not available.

Special Protective Equipment for Firefighters
Use personal protective equipment. In large fires, Fire fighters should wear Self Contained Breathing Apparatus operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes.

Precautions in connection with Fire
Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

Specific Extinguishing Methods
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear appropriate personal protective equipment and clothing to prevent exposure. Spillage may be slippery. Wear appropriate personal protective equipment & clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material into spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. Do not allow the product to enter drains or waterways.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage, including any incompatibilities
Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations. Keep out of reach of children. Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit Values
No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Potassium hydroxide
Peak Limitation: 2mg/m^3
Peak Limitation: A ceiling concentration which should be exceeded over a measurement period which should be as short as possiblebut not exceeding 15 minutes.
Engineering Measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Biological Limit Values
No biological limits allocated.

Appropriate Engineering Controls
This substance is hazardous and should be used with local exhaust ventilation system, drawing vapour away from worker's breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection
If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filtershould be used. Refer to relevant regulationsfor further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necesary changes for individual circumstances.

Eye Protection
Safety glasseswith side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection
Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Skin Protection
Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES	DESCRIPTION
Form	Liquid
Colour	Dark brown
Decomposition Temperature	Not available
Boiling Point	Not available
Specific Gravity	1.18 (25°C)
Vapour Pressure	Not available
Evaporation Rate	Not available
Viscosity	Not available
Density	Not available
Flammability	Non-combustible
Flammable Limits - Lower	Not applicable

PROPERTIES	DESCRIPTION
Appearance	Liquid
Odour	Strong fish odour
Melting Point	Not available
Solubility in Water	Completely soluble
pH	9.5 – 10.5
Vapour Density (Air=1)	2.37kPa @ 20°C (water)
Odour Threshold	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Auto-Ignition Temperature	Not available
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions of storage and handling.

Reactivity and Stability
Reacts with incompatible materials.

Conditions to Avoid
Heat, open flames and other sources of ignition. Protect from extreme heat and prevent from freezing.

Incompatible Materials
Strong oxidizing agents, strong acids and bases.

Hazardous Decomposition Products
Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including: carbon monoxide, carbon dioxide and oxides of nitrogen.

Possibility of Hazardous Reactions
Not available.

Hazardous Polymerization
Not available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information
Potential Health Effects based on human exposure.

Ingestion
Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation
Inhalation of product vapours may cause irritation to the nose, throat and respiratory system.

Skin
Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Eye
Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Respiratory Sensitisation
Not expected to be a respiratory sensitiser.

Skin Sensitisation
Not expected to be a skin sensitiser.

Germ Cell Mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
Not considered to be a carcinogenic hazard.

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT-single exposure
Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure
Not expected to cause toxicity to a specific target organ.

Aspiration Hazard
No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and product label. Symptoms or effects may arise if the product is mishandled and overexposure occurs.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No ecological data available for this material.

Persistence and Degradability
Not available.

Mobility
Not available.

Bioaccumulative Potential
Not available.

Other Adverse Effects
Not available.

Environmental Protection
Prevent this material entering waterways, drains and sewers.

Environmental Hazard and Exposure Characterization
Based on our hazard characterization, the potential environmental hazard is: Low

13. DISPOSAL CONSIDERATIONS

Disposal Considerations
Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Disposal Considerations

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

U.N. Number

None allocated.

U.N. Proper Shipping Name

None allocated.

Transport Hazard Class(es)

None allocated.

Special Precautions for User

Not available.

IMDG Marine Pollutant

No

Transport in Bulk

Not available.

15. REGULATORY INFORMATION

Regulatory Information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Australia. Industrial Chemical (Notification and Assessment) Act

All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS).

16. OTHER INFORMATION

Date of Preparation or Last Revision of SDS
SDS Reviewed: October 2021
Supersedes: N.A.

References
- Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

- Standard for the Uniform Scheduling of Medicines and Poisons.

- Australian Code for the Transport of Dangerous Goods by Road and Rail.

- Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

- Workplace exposure standards for airborne contaminants, Safe work Australia.

- American Conference of Industrial Hygienists (ACGIH).

- Globally Harmonised System of Classification and Labellin of Chemicals.

END OF SDS