

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** HTA Soil Wetter  
**Product Type:** Surface Active Agent  
**Product Use:** Wetting agent & dispersant for Agricultural application  
**Company Name:** Hi-Tech Ag (PTY) LTD  
 24 Shanahan Road (PO Box 5351)  
 Davenport WA 6230 Australi  
**Phone:** 08 9725 7322  
**Emergency Contact:** 0499 944 099  
**Date of Issue:** 20 November 2023

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Non- Hazardous substance as per GHS classification.  
 Non-Dangerous Goods. -According to the Australia Dangerous Goods Code.

**Label Elements:**



**Signal Word:** Warning

**Hazard Statement:** H315 – May cause skin irritation.

**Precautionary Statement(s):**  
 P264 - Wash hands thoroughly after handling  
 P281 - Use personal protective equipment as required.  
 P314 – Get Medical Attention if you feel unwell.

**Disposal:** P501 - Dispose of Contents/container to an approved waste disposal plant.

### 3. INFORMATION ON INGREDIENTS

This is a proprietary formulation and all ingredients as formulated are determined not to be hazardous according to the criteria of Work Safe Australia

### 4. FIRST AID MEASURES

**Inhalation:** Move to well ventilated area.

**Ingestion:** Rinse mouth with water, , seek medical attention if irritation persists.

**Skin Contact:** Take off contaminated clothing and rinse skin with water.

**Eye:** Rinse with plenty of clean water, seek Medical Advice, if irritation persists.

**First Aid Facilities:** Eyewash and normal washroom facilities

**Advice to Doctor:** Treat symptomatically.

**Other Information:** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

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### 5. FIRE FIGHTING MEASURES

**Flammability:** Non-Flammable and non-combustible material.

**Hazchem Code:** Not Regulated

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Rubber gloves and eye cover. Slippery surfaces.
<b>Environmental precautions:</b>	Wash with abundant plenty water, not hazardous to environment
<b>Small spills:</b>	Clean up excess and wash remainder down normal drainage with plenty water.
<b>Large spills:</b>	Wash away with copious quantities of water.
<b>Neutralising agents (where applicable):</b>	Water

### 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Do not eat; drink or smoke in working areas. Wash hands after use. Wear necessary PPE as required. Wash containers with plenty of water if soiled with product, on the outside, ensure lid is tightly closed before this is done. Avoid spilling product over large areas and clean as soon as product is spilled.
<b>Conditions for Safe Storage:</b>	Store in a cool dry place with lids tightly closed. Mix thoroughly before use.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational exposure limits:</b>	Not determined
<b>Engineering Controls:</b>	Use with good general ventilation or with respiratory protection.
<b>PPE:</b>	
<b>Eye Protection:</b>	Safety glasses with side shields should be worn.
<b>Hand Protection:</b>	Wear gloves of impervious material
<b>Body Protection</b>	Wear chemical resistant overalls



**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark Brown liquid	<b>Melting Point:</b>	3 °C
<b>Odour</b>	characteristic	<b>Boiling Point:</b>	100° C
<b>Solubility in Water:</b>	Soluble	<b>Solubility in a solvent</b>	Soluble
<b>Specific Gravity</b>		<b>Solubility Coefficient</b>	1.0
<b>pH Value</b>	8.3 – 9.2	<b>Vapour Pressure:</b>	N/A
<b>Freezing Point:</b>	0°C	<b>Flash Point:</b>	700°C
<b>Flammability:</b>	Not flammable	<b>Auto-Ignition:</b>	None
<b>Explosive Properties:</b>	Non-explosive	<b>Oxidizing properties:</b>	None

Note: Physical data typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

### 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	None under normal conditions of use
<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid:</b>	None
<b>Hazardous Decomposition of Products:</b>	None
<b>Incompatible Material:</b>	None

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity: Rat LC50</b>	10 000mg/kg
<b>Skin</b>	Not determined
<b>Eye:</b>	Not determined
<b>Respiratory or skin irritation:</b>	Not determined

**Germ Cell Mutagenicity:** Not determined

**Carcinogenicity:** Not determined

**Reproductive Toxicity:** Not determined

**Chronic Toxicity:** Not determined

**Neurotoxicity:** Not determined

### 12. ECOLOGICAL INFORMATION

**Aquatic toxicity: Fish:** 60-d Saccobranthus fossils EC20: 2 240 mg/

**Daphnia:** 48-h Daphnia pulex LC50: 510 mg/ℓ

**Algae:** 72-h Selenastrum capricornutum Printz (algal) EC50: 2 035 mg/ℓ

**Bacteria:** 6-h Pseudomonas putida (bacterial) EC50: 874 mg/ℓ

**Biodegradability:** 0.48 d<sup>-1</sup> to 0.7 d<sup>-1</sup> in surface water and 0,28 d<sup>-1</sup> in soil

**Bioaccumulation:** 2.5%

**Mobility in soil:** Not Determined

**Other** The product is readily biodegradable. The product enhances bacteria growth.

### 13. DISPOSAL CONSIDERATIONS

Dispose of in appropriately licence general landfill site in accordance with local, state, and federal regulations. Waste should be labelled.

### 14. TRANSPORTATION INFORMATION

The product is a not considered a dangerous good and not subject to the provisions of ADR (road), RID (railway), IMDG (sea) or IATA (airplane).

### 15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled

### 16. OTHER INFORMATION

This information is based on collective and current knowledge, is intended to describe the product for purposes of safety, environmental and health requirements only. It should therefore not be construed as guaranteeing any specific property of the product. The SDS is prepared by Hi Tech Ag (PTY) LTD

#### Key/Legend

<	Less Than	atm	Atmosphere
>	Greater Than	CAS	Chemical Abstracts Service (Registry Number)
AICS	Australian Inventory of Chemical Substances	cm <sup>2</sup>	Square Centimetres
CO <sub>2</sub>	Carbon Dioxide	COD	Chemical Oxygen Demand
(°C)	Degrees Celsius	K	Kelvin
g	Grams	GHS	Globally Harmonised System
g/cm <sup>3</sup>	Grams per Cubic Centimetre	g/l	Grams per Litre
mmHg	Millimetre of Mercury	Kg	Kilogram
Kg/m <sup>3</sup>	Kilograms per cubic metre	lb	Pound
LC50	Lethal Concentration of a material in air which causes the death of 50% of a group of test animals.	LD 50	Lethal dose of material given all at once, which causes death of 50% of a group of test animals.

# SAFETY DATA SHEET

## HTA Soil Wetter

Ltr/L	Litre	m <sup>3</sup>	Cubic meter
mbar	Minibar	mg	Milligram
mg/24H	Milligrams per 24 Hour	mg/kg	Milligrams per Kilogram
mg/m <sup>3</sup>	Milligrams per Cubic Metre	mm	Millimetre
mmH2O	Millimetres of Water	mPa.s	Millipascals per Second
N/A	Not Applicable	NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission	OECD	Organisation for Economic Co-operation and Develop.
Oz	Ounce	PEL	Permissible Exposure Limit
Pa	Pascal	ppb	Parts per Billion
ppm	Parts per Million	ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours	psi	Pounds per Square Inch
R	Rankine	RCP	Reciprocal Calculation Procedure
STOT	Specific Target Organ Toxicity	TLV	Threshold Limit Value
Tne	Tonne	TWA	Time Weighted Average
µg/24H	Micrograms per 24 Hours	UN	United Nations
wt.	Weight	Immiscible : Liquids are insoluble in each other	
Misc. or Miscible liquids form one homogenous liquid phase regardless of the amount of either component.			

**Issued by: Hi-Tech Ag (PTY) LTD**

**SDS – HTA Soil Wetter– Ver 1.1**

**Date of Issue: 20<sup>th</sup> November 2023**

**Date of Review: November 2028**