

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

<b>Product Names:</b>	Tui Liquid SuperFood Fertiliser Range: <ul style="list-style-type: none"> <li>➤ Tui All Purpose Liquid SuperFood</li> <li>➤ Tui Tomato Liquid SuperFood</li> <li>➤ Tui Citrus &amp; Fruit Liquid SuperFood</li> <li>➤ Tui Vege &amp; Herb Liquid SuperFood</li> </ul>
<b>Chemical Nature:</b>	Water solution of essential nutrients and minerals.
<b>Recommended Use:</b>	Plant foods for the home garden.
<b>New Zealand:</b>	
<b>Company Name and Address:</b>	Evergreen Garden Care New Zealand Limited. Truman Lane, Mount Maunganui, New Zealand
<b>New Zealand Phone Number:</b>	+64 7 5752160
<b>NZ Emergency Phone Numbers:</b>	0800 CHEMCALL (0800 243 622) 24 hours 0800 POISON (0800 764 766) National Poisons Centre 111 – New Zealand Fire Service
<b>Australia:</b>	
<b>Company Name and Address:</b>	Evergreen Garden Care Australia Pty. Ltd. Building E, Level 2 24-32 Lexington Drive, Bella Vista NSW AUSTRALIA
<b>Australian Phone &amp; Fax Number:</b>	Tel: (02) 8602 9000 Fax: (02) 8602 9001
<b>Date of Preparation:</b>	July 2020

## 2. HAZARDS IDENTIFICATION:

<b>Statement of Hazardous Nature:</b>	This product is classified as: Not classified as hazardous according to the criteria of SWA. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.
<b>SUSMP Classification:</b>	None allocated.
<b>ADG Classification:</b>	None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.
<b>UN Number:</b>	None allocated
<b>GHS Signal word:</b>	NONE. Not hazardous.
<b>PREVENTION:</b>	P102: Keep out of reach of children. P262: Do not get in eyes, on skin, or on clothing. P281: Use personal protective equipment as required.
<b>RESPONSE:</b>	P353: Rinse skin or shower with water. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P370+P378: Not combustible. Use extinguishing media suited to burning materials.
<b>STORAGE:</b>	P404: Store in a closed container.
<b>DISPOSAL:</b>	P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.
<b>EMERGENCY OVERVIEW:</b>	
<b>Physical Description &amp; Colour:</b>	Brown coloured liquid.
<b>Odour:</b>	Mild Odour.
<b>Major Health Hazards:</b>	No significant risk factors have been found for this product.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS	Conc, %	CAS NUMBER	TWA (mg/m3)	STEL (mg/m3)
Urea	*	57-13-6	Not Set	Not Set
Potassium Nitrate	*	7757-79-1	Not Set	Not Set
Potassium Phosphate	*	7778-77-0	Not Set	Not Set
Other non-hazardous ingredients	To 100% *	Various	Not Set	Not Set

\* In a proportion which gives the analysis appearing on the product label.

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### 4 FIRST AID MEASURES:

#### General information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Eye Contact:** No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

**Skin Contact:** Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

**Ingestion:** 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.

### 5. FIRE FIGHTING MEASURES:

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

**Extinguishing Media:** Not combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

### 6. ACCIDENTAL RELEASE MEASURES:

**Accidental release:** This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

## 7. HANDLING & STORAGE:

- Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
- Storage:** Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

- Exposure Controls / PPE:** The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501 set 2008**, Industrial Eye Protection: **AS1336 and AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.
- SWA Exposure Limits:** Exposure limits have not been established by SWA for any of the significant ingredients in this product.
- TWA (mg/m<sup>3</sup>)**  
**STEL (mg/m<sup>3</sup>)** 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.
- Ventilation:** No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and that vapours and mists are minimised.
- Eye Protection:** Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.
- Skin Protection:** 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.
- Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber.
- Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.  
 Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

- Physical Description & colour:** Brown coloured liquid.
- Odour:** Mild odour.
- Boiling Point:** Approximately 100°C at 100kPa.
- Freezing/Melting Point:** Below 0°C.
- Volatiles:** Water component.
- Vapour Pressure:** 2.37 kPa at 20°C (water vapour pressure).
- Vapour Density:** As for water.
- Specific Gravity:** 1.25 approx.
- Water Solubility:** Completely soluble in water.
- pH:** 7.5-8.5 (as supplied)
- Volatility:** No data.
- Odour Threshold:** No data.
- Evaporation Rate:** As for water.
- Coeff Oil/water Distribution:** No data
- Autoignition temp:** Not applicable - does not burn.

## 10. STABILITY and REACTIVITY:

<b>Reactivity:</b>	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.
<b>Conditions to Avoid:</b>	Keep containers tightly closed.
<b>Incompatibilities:</b>	No particular Incompatibilities.
<b>Fire Decomposition:</b>	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form oxides of phosphorus and other phosphorus compounds. Potassium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
<b>Polymerisation:</b>	This product will not undergo polymerisation reactions.

## 11. TOXICOLOGICAL INFORMATION:

<b>Local Effects:</b>	
<b>Target Organs:</b>	There is no data to hand indicating any particular target organs.
<b>Classification of Hazardous Ingredients:</b>	
<b>Ingredient Risk Phrases:</b>	No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.
<b>Potential Health Effects:</b>	
<b>Inhalation:</b>	
<b>Short Term Exposure:</b>	Available data indicates that this product is not harmful. In addition, product is unlikely to cause any discomfort or irritation.
<b>Long Term Exposure:</b>	No data for health effects associated with long term inhalation.
<b>Skin Contact:</b>	
<b>Short Term Exposure:</b>	Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition, product is unlikely to cause any discomfort in normal use.
<b>Long Term Exposure:</b>	No data for health effects associated with long term skin exposure.
<b>Eye Contact:</b>	
<b>Short Term Exposure:</b>	This product may be mildly irritating to eyes but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.
<b>Long Term Exposure:</b>	No data for health effects associated with long term eye exposure.
<b>Ingestion:</b>	
<b>Short Term Exposure:</b>	Significant oral exposure is considered to be unlikely. However, this product may be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.
<b>Long Term Exposure:</b>	No data for health effects associated with long term ingestion.
<b>Carcinogen Status:</b>	
<b>SWA:</b>	No significant ingredient is classified as carcinogenic by SWA.
<b>NTP:</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC:</b>	No significant ingredient is classified as carcinogenic by IARC.

**12. ECOLOGICAL INFORMATION:**

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Expected to not be an environmental hazard.

**13. DISPOSAL CONSIDERATIONS:**

**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

**14. TRANSPORT INFORMATION:**

**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

**15. REGULATORY INFORMATION:**

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

**16. OTHER INFORMATION:**

**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

<b>ADG Code:</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
<b>AICS:</b>	Australian Inventory of Chemical Substances
<b>SWA:</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number:</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code:</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC:</b>	International Agency for Research on Cancer
<b>NOS:</b>	Not otherwise specified
<b>NTP:</b>	National Toxicology Program (USA)
<b>R-Phrase:</b>	Risk Phrase
<b>SUSMP:</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number:</b>	United Nations Number

**DISCLAIMER:**

This product must be used strictly as directed. To the maximum extent permitted by law Evergreen Garden Care New Zealand Limited, its officers, employees, agents, distributors and retailers shall have no liability to any purchaser or user of this product, or any other person, for any loss, damage or injury (including personal injury) arising out of the use or storage of this product otherwise than in accordance with the directions for use and storage.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD STATEMENT: INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product.**

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)

----- End of SDS -----