



Tui Products Ltd.

Document Name:

**SAFETY DATA SHEET – TUI EPSOM SALTS - MAGNESIUM SULPHATE**

Date of issue:  
Jan 2018

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2

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## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:**

**Product Name:** Tui Epsom Salts – Magnesium Sulphate

**Recommended Use:** To help correct Magnesium deficiencies in home gardens.

**Company:** Tui Products Ltd  
**Address:** Truman Lane, Mount Maunganui  
New Zealand

**Telephone Number:** +64 7 5752160

**Emergency Telephone Numbers:** 0800 CHEMCALL (0800 243 622) 24 hours  
0800 POISON (0800 764 766) National Poisons Centre  
111 – New Zealand Fire Service

**Date of Preparation:** January 2018

### **2. HAZARDS IDENTIFICATION:**

**Dangerous Goods:** Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

**Hazardous Substance (HSNO):** Based on available information, not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS:**

<b>COMPONENT</b>	<b>CONCENTRATION</b>	<b>CAS NUMBER</b>
Magnesium Sulphate Heptahydrate	100%	10034-99-8

### **4. FIRST AID MEASURES:**

For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor/physician.

**Inhalation:** Remove the victim to fresh air and keep at rest in a position comfortable for breathing. Contact a doctor.

**Ingestion:** If swallowed, seek medical advice. Rinse mouth, Do NOT induce vomiting unless directed to do so by medical personnel. Seek medical advice.

**Eye Contact:** Immediately flush with cold water. Continue for at least 15 minutes. Remove contact lenses if present and easy to do so. Seek medical advice.

**Skin Contact:** Wash the skin well with plenty of water and soap whilst removing contaminated clothing. Wash clothing before re-use. If irritation occurs seek medical advice.

**Notes to Physician:** Treat symptomatically.

### **5. FIRE FIGHTING MEASURES:**

**General Measures:** Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources and move fire exposed containers from fire area only if it is safe to do so and can be done without risk.

**Flammability Conditions:** Product is a non-flammable solid.

**Suitable Extinguishing Media:** Use water, dry powder, foam or carbon dioxide.

**Hazards from combustion products:** Heating to dryness will produce obnoxious and toxic fumes.

**Special Fire Fighting Instructions:** Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.

**Precautions for Fire Fighters and Special Protective Clothing:** Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and suitable protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves).



## 6. ACCIDENTAL RELEASE MEASURES:

<b>Emergency Procedures:</b>	Evacuate all unnecessary personnel and protect yourself and others from injury. Wear appropriate protective clothing to prevent skin and eye contact and breathing in dust. Stop leak if safe to do so and isolate area. If contamination of sewers or waterways has occurred, advise the Environmental Protection Authority or your local Waste Management.
<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Refer to SDS section 7 for handling and precautionary measures. Refer to SDS section 8 for additional information and personal protection equipment to prevent contamination of skin, eyes and personal clothing.
<b>Environmental Precautions:</b>	Contain – Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
<b>Methods and Materials for Containment and Clean up:</b>	Contain the spill and prevent entry into waterways and drains if safe to do so. Avoid generating dust. Wear appropriate protective clothing to prevent skin and eye contact. Avoid breathing in dust. Contain spill and sweep or vacuum up, collect spilled product and place in properly labelled, sealable container for reuse or disposal. If product enters drains, sewers or waterways, advise the Environmental Protection Authority or your local Waste Management.

## 7. HANDLING & STORAGE:

<b>Precautions for safe handling and storage:</b>	
<b>Handling:</b>	Keep out of reach of children. Avoid skin and eye and contact. Avoid generating dust, and do not breathe in dust. Avoid unintended release to the environment. Wash hands, face and exposed skin thoroughly after handling and observe good personal hygiene practices and recommended procedures. Ensure an eye bath and safety shower are available and ready for use. Take precautionary measures against static discharges by bonding and grounding equipment.
<b>Storage:</b>	Store in a tightly closed original container in a cool, dry, well-ventilated area out of direct sunlight. Store away from children, animals, food, feedstuffs, drink containers, fertilisers and seeds. Keep containers closed when not in use and check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

<b>Occupational Exposure Limits:</b>	No value assigned for this specific material by EPA or Worksafe NZ. However, Workplace Exposure Standard(s) for particulates not otherwise classified: Inhalable dust: WES-TWA 10 mg/m <sup>3</sup> Respirable dust: WES-TWA 3 mg/m <sup>3</sup>
<b>Engineering Controls:</b>	Handle in a well-ventilated area; ensure ventilation is adequate. If dust is generated use local extraction to control. Avoid inhalation of dust. Keep containers closed when not in use.
<b>Personal Protective Equipment:</b>	Avoid contact with eyes, skin and breathing in dust <b>Respiratory Protection:</b> Use with adequate ventilation. If dust is generated, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. <b>Skin protection:</b> Use rubber or plastic gloves, overalls and safety footwear meeting the requirements of AS/NZS 3765 and AS/NZS 2210. Wash hands, face and exposed skin thoroughly after use and before smoking, eating, drinking or using the toilet. <b>Eye protection:</b> Avoid eye contact when handling, wear safety glasses with side shields meeting the requirements of AS/NZS 1336 and AS/NZS 1337.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance:</b>	Solid White Powder.
<b>Odour:</b>	No odour.
<b>pH:</b>	6.0 – 8.0.
<b>Solubility in water:</b>	Completely miscible
<b>Bulk Density:</b>	1.08.

**10. STABILITY and REACTIVITY:**

<b>Chemical Stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Avoid generating dust, moisture and exposure to heat.
<b>Incompatible materials:</b>	No data available.
<b>Hazardous decomposition products:</b>	Heating to dryness will produce obnoxious and toxic fumes Oxides of Sulphur (if heated to dryness).
<b>Hazardous Reactions:</b>	No data available.

**11. TOXICOLOGICAL INFORMATION:**

**Potential Health Effects:** This section includes possible adverse effects, which could occur if the product is not handled in the recommended manner.

<b>Eye Contact:</b>	Mild eye irritation may result.
<b>Skin:</b>	Prolonged or repeated skin contact may lead to irritation.
<b>Ingestion:</b>	Acts as a laxative. Ingestion of sufficient quantities may lead to heart changes, flaccid paralysis and cyanosis.
<b>Inhalation:</b>	Material may be an irritant to mucous membranes and respiratory tract.
<b>Toxicity Data:</b>	Human, Oral TDLo : 428 mg/kg. <sup>(1)</sup> Leads to muscle weakness. Acts as a laxative. Oral, Mouse LDLo : 5g/kg. <sup>(1)</sup> Mutagenicity Mutation data reported for the anhydrous salt. No information available for the solution. <sup>(1)</sup>
<b>Long Term Effects:</b>	No additional information available for the product.

**12. ECOLOGICAL INFORMATION:**

<b>Ecotoxicity:</b>	Do NOT allow unintended release to the environment. Do NOT allow product to enter waterways, drains and sewers.
<b>Persistence / Degradability:</b>	Not biodegradable.
<b>Mobility:</b>	Completely miscible in water.
<b>Bioaccumulation Potential:</b>	No Data Available
<b>Environmental Impact:</b>	No Data Available



**13. DISPOSAL CONSIDERATIONS:**

**Disposal methods:** Dispose of this product by using in accordance with the product label directions. Do not dispose of this product; down drains or sewers. Collect any unused product and dispose of in an approved landfill. Packaging disposal – Dispose of packaging safely with domestic rubbish or crush and bury packaging in a suitable approved landfill. If wastes and/or packaging cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local area regulatory authorities following all applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION:**

Not classified as a Dangerous Good for Transport.

**15. REGULATORY INFORMATION:**

**EPA New Zealand Approval Code:** Based on available information, not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

**16. OTHER INFORMATION:**

**Abbreviations in SDS:** **EPA:** The Environmental Protection Authority of New Zealand.  
**TDLo:** Lowest toxic dose.  
**LDLo:** Lowest lethal dose.  
**pH:** A measurement of how acidic or alkaline a material is using a scale of 1 - 14. pH 1 is strongly acidic, pH 14 is strongly alkaline.  
**WES-TWA:** Time weighted average work place exposure standard set by EPA or Worksafe New Zealand.

**References:** (1) Redox, Magnesium Sulphate Heptahydrate MSDS.

**DISCLAIMER:**

This product must be used strictly as directed. To the maximum extent permitted by law Tui Products 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.

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