

## **SAFETY DATA SHEET**

**PRODUCT NAME:** WS NPK BRATAN 18-8-15 + 2Mg + TE

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

<b>Supplier:</b>	Baileys Fertilisers	<b>Other Name(s):</b>	Eurosolids NPK
<b>Address:</b>	PO Box 261 Rockingham Western Australia 6968	<b>Recommended use:</b>	Fertiliser
		<b>Product Code:</b>	F1301
<b>Telephone:</b>	(08) 9439 1688 (Mon – Fri: 8.00am – 5.00pm)		
<b>Emergency Contact:</b>	W.A. Poisons Information Centre on 131126		
<b>Facsimile:</b>	(08) 9439 1068		
<b>Email:</b>	baileys@baileysfertiliser.com.au		
<b>Website:</b>	baileysfertiliser.com.au		

### **2. HAZARD IDENTIFICATION**

- 1. GHS Classification:** Not classified as Dangerous Goods according to the Australian Dangerous Goods Code.  
Not classified as hazardous according to Australian GHS classification.
- 2. Signal Word:** None
- 3. Hazard Symbol:** None
- 4. Hazard Statement:** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.
- 5. Precautionary Statements:**
- |             |  |
|-------------|--|
| Prevention: | P265 Wash thoroughly after handling.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P271 Use only outdoors or in a well ventilated area.  |
| Response:   | P312 Call a POISON CENTRE or doctor/physician if you feel unwell.<br>P362 Take off contaminated clothing and wash before reuse.<br>P302+P352 IF ON SKIN: Wash with plenty of soap and water.<br>P332+P313 If skin irritation occurs: Get medical advice/attention.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Storage:    | P403+P233 Store in a well-ventilated place. Keep container tightly closed.   |
| Disposal:   | P501 Dispose of contents/container in accordance with local/regional/national/international regulations.   |

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

Chemical Name	CAS Number	Contents % w/w
Potassium nitrate	7757-79-1	< 65
Ammonium nitrate	6484-52-2	< 50
Urea phosphate	4861-19-2	< 10
Potassium pentahydrogen bis(phosphate)	14887-42-4	< 10
Calcium ammonium nitrate	15245-12-2	< 1
Boric acid	10043-35-3	< 0.2

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

- 1/. Eye Contact:** Immediately lift eyelid and flush eyes with flowing water and completely remove materials by lifting the upper and lower lids. Transport to hospital or doctor. Remove of contact lenses after an eye injury should only be undertaken by skilled personnel.
- 2/. Skin Contact:** Remove contaminated clothing and shoes immediately. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
- 3/. Inhalation:** If fumes of combustion materials are inhaled, move to fresh air. Go to where fresh air is available. If necessary, provide first aid. (DRSABCD)
- 4/. Ingestion:** Rinse and wash mouth with water. If swallowed do not induce vomiting. Lay patient down in recovery position. Get medical attention immediately.
- 5/.Chronic effects from short and long term exposure:**  
May cause eye, skin or respiratory irritation when exposed. Long term exposure of high dust concentrations may cause lung tissue damage. Ingestion may result in vomiting and severe digestive system irritation or burns. Inhalation may cause respiratory irritation. Eye and/or Skin contact may cause irritation.
- 6/. First Aid Treatment and note to physician:** Treatment may vary depending on incident specifics and victim's condition.

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

- Extinguishing Media:** Water, dry powder, and carbon dioxide extinguisher. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.
- Fire/Explosion Hazard:** Promotes combustion. Product is not self-ignitable, but may support combustion. In case of fire, there is potential for an explosion, especially if fertilisers are contaminated by incompatible chemical substances eg. oils.
- Hazardous decomposition products:** May release toxic and corrosive gasses/vapours (Sulphur dioxide, nitrous vapours, ammonia), and formation of metallic fumes.

### **6. ACCIDENTAL RELEASE MEASURES**

- Spills and Disposal:** Dissolve in water, or use inert material (limestone, dolomite, gypsum, sand) to dilute spills, then carefully sweep up and shovel into suitable containers for reuse/recycle or disposal at an approved waste disposal site. Avoid runoff of spilt material into soils, waterways or drains. DO NOT MIX WITH SAWDUST OR OILS.

### **7. HANDLING AND STORAGE**

- Safe Handling:** Wear appropriate PPE (refer to section 8). Use in a well ventilated area. Do not consume food or drink or smoke while handling.

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**Storage and Transport:** Wash hands with soap and water after handling.  
Store in original container in a cool, dry, well-ventilated area, away from acidic, alkaline, combustible materials and organic matter. Keep out of reach of children.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**National Exposure Standard:** Time Weighted Average (TWA): 10 mg/m<sup>3</sup>  
Short Term Exposure Limits (STEL): Not set.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:** Use only in a well ventilated area and manage dust levels.

**Personal Protective Equipment:** Wear gloves, safety boots, protective clothing and safety glasses with side shields. Use a class P2 respirator.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance:** Solid, white crystalline powder.
- **Odour:** Odourless.
- **Vapour pressure:** Negligible at ambient temperatures.
- **Flash point:** Not available.
- **Flammability limits:** Not available.
- **Solubility in water:** Easily soluble in water.
- **Other:** None.

### **10. STABILITY AND REACTIVITY**

**Chemical Stability:** Material is stable under normal storage and handling conditions.

**Conditions to avoid:** Extreme heat. Prevent moisture contact.

**Incompatible materials:** Incompatible with strong acids, strong bases and oxidizing agents, combustible materials, metal powders, chlorates, aluminium, copper and zinc.

**Decomposition products:** May release toxic and corrosive gasses/vapours (Sulphur dioxide, nitrous vapours, ammonia).

**Hazardous reactions:** Hazardous polymerisation reactions will not occur.

### **11. TOXICOLOGICAL INFORMATION**

No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Product Toxicity data (potassium nitrate):**

LD50 Oral	LD50 Dermal	LC50 Inhalation
3870 mg/kg (Rat)	>5000 mg/kg (Rat)	>0.53 mg/l (rat/4hr)

**Ingestion:** Ingestion of this material may cause oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingestion of large quantities may cause ulceration, vomiting, shock and death.

**Eye contact:** Exposure may cause severe irritation and redness to the eye lids, conjunctiva. Untreated, prolonged eye contact can cause permanent and severe eye damage.

**Skin contact:** Exposure to skin may cause redness, irritation, burning sensation, and swelling.

**Inhalation:** Inhalation of this material may cause upper airway irritation, coughing, redness of mouth and upper airways.

**Sensitization hazard:** Not classified as a skin sensitizer.

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**Long Term Effects:** No information available for the product.  
**Carcinogenicity:** Not classified as a carcinogen.  
**Specific target organ toxicity.** Respiratory Tract Irritation.  
**Mutagenic Data:** Not classified as a mutagen.

### **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

**Aquatic Toxicity:** Mild water pollutant (surface water)  
 Ground water pollutant.  
 Maximum concentration in drinking water: 50mg/Lt (nitrate)  
 Not harmful to algae  
**Fish Toxicity:** Slightly harmful to fishes.

<b>Potassium nitrate (7757-79-1)</b>	
LC50 fish 1	162 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1	39 mg/l (96 h; Daphnia magna)
EC50 other aquatic organisms 1	200 - 1000 mg/l (Plankton)
LC50 fish 2	1378 mg/l (96 h; Poecilia reticulata)
LC50 other aquatic organisms 2	490 mg/l (48 h; Daphnia magna)
TLM fish 1	3000 mg/l (96 h; Lepomis macrochirus)
TLM fish 2	162 mg/l (96 h; Gambusia affinis)
Threshold limit other aquatic organisms 1	39 mg/l (96 h; Daphnia magna)
Threshold limit other aquatic organisms 2	490 mg/l (48 h; Daphnia magna)

**Additional:** May increase pH of waterways and adversely affect aquatic life. May cause eutrophication.

### **13. DISPOSAL CONSIDERATIONS**

**Waste from material:** Reuse or reprocess if possible. May be subject to disposal regulations. Check solution pH to determine disposal restrictions. Dispose in accordance with all applicable regulations.  
**Container Management:** Dispose of container in accordance with applicable local, regional, national and/or international regulations.

### **14. TRANSPORT INFORMATION**

<b>UN Number:</b>	N/A	<b>UN Proper Shipping Name:</b>	N/A	<b>Class and Subsidiary Risk(s):</b>	None
<b>Packing Group:</b>	N/A	<b>Special precautions for user:</b>	N/A	<b>Hazchem code:</b>	N/A

### **15. REGULATORY INFORMATION**

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

### **16. OTHER INFORMATION**

*Baileys Fertilisers has taken all due care to provide accurate and up-to-date information but does not provide a warranty concerning this information. It is the users' responsibility to assess the circumstances of use and assess the risks in any given situation.*