BAILEYS FERTILISERS
AKC Pty Ltd trading as
A.B.N: 30 008 747 911

SAFETY DATA SHEET

PRODUCT NAME: Baileys Compound NPK 12-5-14

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier:	Baileys Fertilisers	**Other Name(s):**	**NPK Fertiliser with trace elements.**
Address:	PO Box 261 Rockingham Western Australia 6968	**Recommended use:** **Product Code:**	Fertiliser F7993
Telephone:	(08) 9439 1688 (Mon – Fri: 8.00am – 5.00pm)		
Emergency Contact:	W.A. Poisons Information Centre on 131126		
Facsimile:	(08) 9439 1068		
Email:	baileys@baileysfertiliser.com.au		
Website:	baileysfertiliser.com.au		

2. HAZARD IDENTIFICATION

1. Signal Word: **WARNING**

2. Hazard Symbols:

3. Hazard Statement: H319 – Causes serious eye irritation.

4. Precautionary Statements: P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P221 – Take any precaution to avoid mixing with combustibles and/or organic materials.
P280 – Wear protective gloves, eye protection, and protective clothing.
P305+P338+P351 – IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses (if present, and easy to do so.) Continue rinsing.

5. Precautionary Statements:

Prevention: P265 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P337+P313 If eye irritation persists: Get medical advice/attention.
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: None allocated

Disposal: None allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Ammonium nitrate	6484-52-2	10 - 30
Potassium Sulphate	7778-80-5	10 – 35
Phosphate salts	-	40%

SAFETY DATA SHEET

4. FIRST AID MEASURES

4.1. 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.

4.2. 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.

4.3. 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)

4.4. Ingestion: Rinse and wash mouth with water. If swallowed do not induce vomiting. Lay patient down in recovery position. Get medical attention immediately.

4.5.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.

4.6. First Aid Treatment and note to physician: Treatment may vary depending on incident specifics and victim's condition. Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1Extinguishing Media:

Use an extinguishing agent suitable for the surrounding fire. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

5.2 Special hazards arising from the substance or mixture

Non flammable – oxidising agent. May support combustion and may cause fire / explosion in contact with incompatible Substances, strong acids, reducing agents, combustibles and flammables. May evolve ammonia and nitrogen oxides when heated to decomposition.

5.3 Advice for firefighters:

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation.
Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire

5.4 Hazchem code: None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions: Prevent product from entering drains and waterways.

6.3 Method of cleanup: 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. DO NOT MIX WITH SAWDUST OR OILS.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Use safe work practices. Avoid contact / dust inhalation, observing good personal hygeiene. Wash hands with soap and water before eating. Wear appropriate PPE (refer to section 8). Use in a well ventilated area. Do not consume food or drink or smoke while handling.

7.2 Conditions for safe storage, including any incompatibilities:

When stored in a confined, unventilated space/hold this product can give off ammonia or other odours. As oxygen may be

Depleted. Fertilisers should be stored in a cool, dry, covered and well-ventilated area. Do not allow to get wet. Store away from acids; oxidising agents, e.g. hypochlorite; farm chemicals, e.g. insecticides, fungicides and herbicides; and foodstuffs. Fertilisers should be stored apart from other products. Concrete floors are recommended. Conduct Risk Assessments, and ensure appropriate equipment, procedures and training are in place. If stored in the open, cover bags with a tarpaulin.

7.3 Specific end use: No information provided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

National Exposure Standard: 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, Avoid dust inhalation.
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:** Pink – red granules.
- **Odour:** Mild acidic odour.
- **Melting Point:** Not available.
- **Vapour pressure:** Not available.
- **Flash point:** Not applicable.
- **Flammability limits:** Not applicable.
- **Solubility in water:** Soluble in water.
- **Other:** Bulk density: 1000 – 1200 kg/m3.

10. STABILITY AND REACTIVITY

Chemical Stability: Material is stable under recommended 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 (ammonium nitrate):

LD50 Oral	LD50 Dermal	LC50 Inhalation
2950 mg/kg (Rat)	>5000 mg/kg (Rat)	>88.8 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.
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, plankton and invertebrates.

Ammonium Nitrate (6484-52-2	
EC50 Daphnia 1	>490 mg/l (48h; EC50 (Daphnia Magna)
EC50 other aquatic organisms 1	447 mg/l (48h; Cyprinus carpio (common carp)
EC50 72h algae (1)	1700 mg/l 10 d; algae

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

SPECIAL PRECAUTIONS FOR USER:

	Land Transport (ADG)	Sea Transport (IMDG/IMO	Air Transport (IATA/ICAO
UN Number	**Not allocated**	**Not allocated**	**Not allocated**
Shipping Name	**Not allocated**	**Not allocated**	**Not allocated**
Transport hazard class	**Not allocated**	**Not allocated**	**Not allocated**
Packing Group	**Not allocated**	**Not allocated**	**Not allocated**

15. REGULATORY INFORMATION

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

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.