

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **LIQUID TRACE WITH ADDED FULVIC ACID**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

| | | | |
|---------------------------|--|-------------------------|----------------------|
| Supplier: | Baileys Fertilisers | Other Name(s): | Baileys Liquid Trace |
| Address: | PO Box 261 Rockingham Western Australia 6968 | Recommended use: | Fertiliser |
| | | Product Code(s): | Uncoded |
| Telephone: | (08) 9439 1688 (Business hours) | | |
| Emergency Contact: | W.A. Poisons Information Centre on 131126 | | |
| Facsimile: | (08) 9439 1068 | | |
| Email: | baileys@baileysfertiliser.com.au | | |
| Website: | baileysfertiliser.com.au | | |

2. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of NOHSC; NON HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

| | | | | | |
|---------------|-------------------|----------------------------|-------------------|-----------------------------|-------------------|
| UN No. | None Allocated | Packaging Group | None Allocated | Poisons Schedule | None Allocated |
|---------------|-------------------|----------------------------|-------------------|-----------------------------|-------------------|

Risk Phrases: N/A

Safety Phrases: N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Proportion | |
|--------------------------------|------------|------------|---|
| Magnesium Nitrate Tetrahydrate | 13446-18-9 | Low | Note: High: >60% Medium: 30-60% Low: 10-30% Very low: <10% |
| Iron Sulphate Heptahydrate | 77782-63-0 | Low | |
| Potassium Nitrate | 7757-79-1 | Very Low | |
| Urea | 57-13-6 | Very Low | |
| Manganese Sulphate Monohydrate | 10034-96-5 | Very Low | |
| Zinc Sulphate Heptahydrate | 7446-20-0 | Very Low | |
| Copper Sulphate Pentahydrate | 7758-99-8 | Very Low | |
| Boric Acid | 10043-35-3 | Very Low | |
| Fulvic acid | 479-66-3 | Very Low | |
| Ammonium Molybdate | 12054-85-2 | Very Low | |

4. FIRST AID MEASURES

| | |
|--|--|
| Swallowed: | Wash out mouth with water. Poison Information Centres (131126) in each state's capital city can provide additional assistance. Seek medical attention. |
| Eye: | Irrigate immediately with cold running water and if irritation persists seek medical attention. |
| Skin: | Wash with water and if irritation persists seek medical attention. |
| Inhaled: | Remove from exposure and if irritation persists seek medical attention. |
| Conditions which may be Aggravated by exposure: | Skin abrasions and sores. Inhalation of vapors or aerosols may aggravate asthma. |
| Advice to Doctor: | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

| | |
|-------------------------------|--|
| Flammability: | Non flammable. |
| Extinguishing Media: | Water spray or dry powder, foam and carbon dioxide extinguisher. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. |
| Fire/Explosion Hazard: | May decompose, emitting toxic fumes in a fire. Remain upwind and notify those downwind of hazard. |
| Hazchem Code: | Not applicable. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------|--|
| Spills and Disposal: | Spills may create a slippery surface. Absorb spills onto soil, clay or sawdust and reuse/recycle in the garden or dispose of at an approved waste disposal site. |
|-----------------------------|--|

7. HANDLING AND STORAGE

| | |
|-------------------------------|---|
| Safe Handling: | Use as instructed ensuring safe work practices are followed that avoid eye or skin contact or inhalation. |
| Storage and Transport: | Store in original container in a cool, dry, well-ventilated area. Keep out of reach of children. |
| Other information: | None. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---------------------------------------|--|
| National Exposure Standard: | Time Weighted Average (TWA): 10 mg/m ³ Short Term Exposure Limits (STEL): Not set. |
| Biological Limit Values: | No biological limit allocated. |
| Engineering Controls: | Use only in a well ventilated area. |
| Personal Protective Equipment: | Wear gloves, safety boots, protective clothing and safety glasses with side shields. |

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Dark Brown Liquid
- **Odour:** Sharp, burnt citrus smell
- **pH:** 2.6
- **Boiling Point:** Not determined
- **Melting Point:** Not determined
- **Vapour pressure:** Negligible at ambient temperatures
- **Specific gravity:** 1.2
- **Flash point:** Non flammable
- **Flammability limits:** Non flammable
- **Solubility in water:** Readily miscible in water
- **Other:** None

10. STABILITY AND REACTIVITY

- Chemical Stability:** Material is stable under normal storage and handling conditions.
- Conditions to avoid:** Extreme heat.
- Incompatible materials:** Incompatible with oxidising agents, bases, chlorates and nitrates.
- Decomposition products:** May evolve toxic nitrogen oxides and ammonia when heated to decomposition.
- 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 MSDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- Ingestion:** Swallowing may result in irritation of the gastrointestinal tract.
- Eye contact:** Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
- Skin contact:** Skin contact may lead to irritation.
- Inhalation:** Breathing in spray mist may result in respiratory irritation.
- Long Term Effects:** No information available for the product.
- Toxicological Data:** No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

- Ecotoxicity:** Avoid contaminating waterways as these nutrients in water sources may cause excessive algal growth.
- Persistence and degradability:** This product is a fertiliser and will react in the soil as such.
- Mobility:** Fertiliser nutrients are soluble and will leach in soil and dissolve/disperse in water.

13. DISPOSAL CONSIDERATIONS

- Disposal:** Dispose of product and packaging in accordance with local regulations, to an approved landfill site. Do not incinerate.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

| | | | | | |
|----------------------|----------------|--------------------------------------|----------------|-------------------------------------|----------------|
| Un Number. | None Allocated | UN Proper Shipping Name. | None Allocated | Class and Subsidiary Risk(s) | None Allocated |
| Packing Group | None Allocated | Special precautions for user. | None | Hazchem code. | None 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.