

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: AMMONIUM SULFATE LIQUID™

Other Names: Ammonium Sulfate Solution

Uses: Liquid fertiliser

Revision Date: August 2013

Organisation
Turfmate International

Location
840 Cranbourne-Frankston Rd
Cranbourne South, VIC, 3977
Australia

Telephone
1300 184 400

Poisons Information Centre - Australia
CHEMCALL AUSTRALIA

13 11 26
1800 127 406

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC

- IRRITANT -

Risk Phrases

Irritating to eyes and skin.

Safety Phrases

Avoid contact with eyes

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident, or if you feel unwell, seek medical advice immediately
(show the label where possible)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Proportions (%)
Ammonium Sulfate	7783-20-2	60%

4. FIRST AID MEASURES

Inhalation:

Remove from area of exposure to fresh air. Seek medical advice if effects persist.

Eye Contact:

Rinse opened eye for several minutes under running water. Seek medical advice if effects persist.

Skin Contact:

Remove any contaminated clothing and wash skin thoroughly with soap and water

Ingestion:

Rinse mouth and then drink plenty of water. Seek medical advice if effects persist.

Medical Attention:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability:

Non Combustible Liquid

Hazards from combustion Products:

None Known

Precautions for fire fighters and

Special protective equipment:

Decomposes on heating emitting toxic fumes, including those of oxides of nitrogen . If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Suitable extinguishing media:

Not combustible, however, if material is involved in a fire use: Water spray (large quantities).
Dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

If contamination of waterways or sewers has occurred, advise the EPA or your local Waste management authority.

Methods and materials for containment and clean up.

Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wear protective clothing. Avoid skin and eye contact. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

Conditions for safe storage:

Store in a cool, dry well ventilated place out of direct sunlight. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:

N/A

Engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating fumes and avoid spills. Use with local exhaust ventilation or while wearing protective clothing.

Personal Protective Equipment

RESPIRATOR: If engineering controls are inadequate, wear an approved particulate respirator.

EYES: Safety glasses with side shields.

CLOTHING: Standard approved work uniform/clothing.

HANDS: Synthetic gloves.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid
Formula:	Unspecified
Odour	Odourless
Solubility in water	Miscible with water
Specific Gravity	1.3
Flash Point	Not Applicable
pH	Not Available
Ignition Temperatures	Not Applicable
Volatile Organic Compounds (VOC) content	Not Applicable
Viscosity	No Data
Potential for Dust Explosion	Not Applicable
Decomposition Temperature	Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid:	Do not allow product to dry out.
Incompatible Materials:	Incompatible with organic chemicals, ammonia .
Hazardous Decomposition Products	Oxides of nitrogen
Hazardous reactions:	No dangerous reactions known.

11. TOXOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Toxicity data:	No LD50 data available for the product. For the constituent
Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.
Eye Contact:	May cause eye irritation.
Skin Contact:	May cause skin irritation.
Inhalation:	May result in respiratory irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Avoid contaminating waterways.
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13. DISPOSAL CONSIDERATIONS

Disposal Methods

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

This product is not restricted by any dangerous goods regulation. Road, Rail, Marine and Air transport are all viable modes of transport.

Shipping Name: Ammonium Sulfate Liquid

UN No. Not allocated.

15. REGULATORY INFORMATION

Classification: This material is not hazardous according to criteria of ASCC.

Hazard Category: Not Harmful

Risk Phrase(s): R22: Harmful if swallowed.

Safety Phrase(s): S24/25: Avoid contact with skin and eyes.
S36/37: Wear suitable protective clothing and gloves.

Poisons Schedule: None allocated.

16. OTHER INFORMATION

Supplier of Material Safety Data Sheet; 08/2013