

Safety Data Sheet

Issue Date: 28-Apr-2014

Revision Date: 15-Nov-2016

Version: 1

Section 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier:

Product Name: AGROBLEN TOTAL 12-14 MONTH**Product ID:** 86670325AU

Other Means of Identification:

Proper shipping name AMMONIUM NITRATE BASED FERTILIZER**UN Number** 2071**Synonyms:** Agroblen Total 15-3.9-7.5+1.8Mg

Recommended Use of the Chemical and Restrictions on Use:

Recommended Use: Fertilizer. Restricted to professional users.

Details of manufacturer or importer

Manufacturer

Everris Australia Pty Ltd, 211/33 Lexington Drive, Bella Vista, NSW 2153, Australia. Tel: +61(2) 8801 3300

Emergency Telephone Numbers:

Australia: (02) 8014 4558

New Zealand: (09) 9929 1483

Section 2: HAZARD(S) IDENTIFICATION

GHS - Classification

Mixture

Not a hazardous substance or mixture in Australia or New Zealand according to the Globally Harmonized System of classification.

Label elements

Hazard statements

Other hazards

No information available

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS IN ACCORDANCE WITH SCHEDULE 8

Substance

| Ingredients | CAS-No | EC-No. | Weight % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|--|-----------|-----------|----------|---|---------------------------|
| Ammonium Nitrate; NH ₄ NO ₃ | 6484-52-2 | 229-347-8 | 30 - 60% | Eye Irrit. 2 (H319) Ox. Sol. 3 (H272) | 01-2119490981-27 |
| Potassium sulphate; K ₂ SO ₄ | 7778-80-5 | 231-915-5 | 10 - 30% | Not classified | 01-2119489411-34 |

39% of the other ingredients are determined not be hazardous.

Section 4: FIRST AID MEASURES

First Aid Measures:

| | |
|-----------------------|--|
| General advice | First aid measures should be executed by trained personnel only. |
| Inhalation | Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash skin with soap and water. Get medical attention if irritation develops and persists. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. |

Most Important Symptoms and Effects (Acute and Chronic):

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Indication of Any Immediate Medical Attention and Special Treatment Needed:

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

Section 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

| | |
|---------------------------------------|---|
| Suitable Extinguishing Media | Water. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. Dry chemical. Foam. |

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides (NOx).

Special protective actions for fire-fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

| | |
|---------------------|----|
| Hazchem code | 1Z |
|---------------------|----|

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

| | |
|---------------------------------|--|
| Personal precautions | Ensure adequate ventilation. Avoid generation of dust. |
| For emergency responders | Use personal protection recommended in Section 8. |

Environmental Precautions:

Environmental precautions Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological Information.

Methods and Material for Containment and Cleanup:

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

Precautions for Safe Handling:

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Use personal protection equipment.

Conditions for Safe Storage, Including any Incompatibilities:

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Protect from sunlight.

Incompatible materials None known based on information supplied.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters:

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls:

Engineering Controls None under normal use conditions.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/face Protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

Physical State: Solid
Appearance: Granules
Color: brown
Odor: Not significant.
Odor Threshold: No information available

| | | |
|-------------------------------|--|---|
| <u>Property</u> pH: | <u>Values</u> No information available | <u>Remarks: • Method</u> No information available |
|-------------------------------|--|---|

| | | |
|--------------------------------------|----------------------------|--------------------------|
| Melting Point/Freezing Point: | No information available | No information available |
| Boiling Point/Range: | No information available | No information available |
| Flash Point: | No information available | No information available |
| Evaporation Rate: | No information available | No information available |
| Flammability (solid, gas): | No information available | No information available |
| Flammability Limits in Air: | | No information available |
| Upper Flammability Limit: | No information available | |
| Lower Flammability Limit: | No information available | |
| Vapor Pressure: | No information available | No information available |
| Vapor Density: | No information available | No information available |
| Relative density | No information available | No information available |
| Water Solubility: | No information available | No information available |
| Solubility(ies) | Soluble in water | No information available |
| Partition Coefficient: | No information available | No information available |
| Autoignition Temperature: | No information available | No information available |
| Decomposition Temperature: | No information available | No information available |
| Kinematic Viscosity: | No information available | No information available |
| Dynamic Viscosity: | No information available | No information available |
| Other Information: | | |
| Softening Point: | No information available | |
| Molecular Weight: | No information available | |
| VOC Content (%): | No information available | |
| Bulk Density: | 974-1124 kg/m ³ | |
| particle size | | |
| Particle Size Distribution | | |

Section 10: STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Stable under normal conditions.

Specific methods:

- Sensitivity to Mechanical Impact** None.
- Sensitivity to Static Discharge** None.

Possibility of Hazardous Reactions:

Possibility of hazardous reactions None under normal processing.

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Conditions to Avoid:

Conditions to avoid For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

Incompatible Materials:

Incompatible materials None known based on information supplied.

Hazardous Decomposition Products:

Hazardous Decomposition Products: None known based on information supplied.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

Product Information

- Inhalation** May cause irritation of respiratory tract.
- Eye contact** May cause irritation.
- Skin Contact** May cause irritation.
- Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Symptoms No information available.

Numerical Measures of Toxicity - Product Information:

Unknown acute toxicity No information available

| Ingredients | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|----------------------|-------------|-------------------------|
| Ammonium Nitrate; NH ₄ NO ₃ | = 2217 mg/kg (Rat) | - | > 88.8 mg/L (Rat) 4 h |
| Potassium sulphate; K ₂ SO ₄ | = 6600 mg/kg (Rat) | - | - |

See section 16 for terms and abbreviations

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

- skin corrosion/irritation** No information available.
- Serious eye damage/eye irritation** No information available.
- Respiratory or skin sensitization** No information available.
- Germ Cell Mutagenicity** No information available.
- Carcinogenicity** No information available.
- Reproductive Toxicity** No information available.
- STOT - Single Exposure** No information available.
- STOT - Repeated Exposure** No information available.
- Aspiration Hazard** No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Do not allow product to enter the environment uncontrolled.

| Ingredients | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|--|--|---|----------------------------|-----------------------------------|
| Ammonium Nitrate; NH ₄ NO ₃ | - | 65 - 85: 48 h Cyprinus carpio mg/L LC50 semi-static | - | - |
| Potassium sulphate; K ₂ SO ₄ | 2900: 72 h Desmodosmus subspicatus mg/L EC50 | 653: 96 h Lepomis macrochirus mg/L LC50 3550: 96 h Lepomis macrochirus mg/L LC50 static 510 - 880: 96 h | - | 890: 48 h Daphnia magna mg/L EC50 |

| | | | | |
|--|--|---|--|--|
| | | Pimephales promelas mg/L LC50 static | | |
|--|--|---|--|--|

Persistence and degradability

Persistence and Degradability: No information available.

Bioaccumulative potential

Bioaccumulation: No information available.

Mobility

Mobility in soil No information available.

Mobility No information available.

| Ingredients | LOGPOW |
|---|--------|
| Ammonium Nitrate; NH ₄ NO ₃ | -3.1 |

Other adverse effects

Mobility: No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Section 14: TRANSPORT INFORMATION

ADR/RID:

UN Number 2071
Proper shipping name AMMONIUM NITRATE BASED FERTILIZER
Hazard Class 9
Packing Group III

Hazchem code 1Z

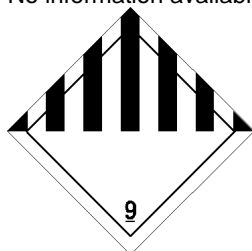
IATA

UN-No: 2071
Proper shipping name: AMMONIUM NITRATE BASED FERTILIZER
Hazard Class: 9
Packing group: III
Special Provisions A89, A90

IMO / IMDG

UN-No: 2071
Proper shipping name: AMMONIUM NITRATE BASED FERTILIZER
Hazard Class: 9
Packing group: III
EmS: F-H / S-Q
Special Provisions 186, 193
Marine Pollutant: Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available



Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia

See section 8 for national exposure control parameters

International Inventories:

| | |
|--|--|
| TSCA | This product does not comply with USINV |
| DSL/NDSL | DSL/NDSL |
| EINECS/ELINCS | EINECS/ELINCS |
| ENCS | This product does not comply with encs: |
| CHINA | This product does not comply with china: |
| KOREA | KOREA |
| PICCS | PICCS |
| Australian Inventory of Chemical Substances | This product does not comply with AICS |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International Regulations

Ozone-depleting substances (ODS) Not Applicable

Persistent Organic Pollutants Not Applicable

Export Notification requirements Not Applicable

Section 16: ANY OTHER RELEVANT INFORMATION

Issue Date: 28-Apr-2014

Revision Date: 15-Nov-2016

Revision Note:

Not Applicable.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| C | carcinogen | | |

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet