

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** YATES GRO-PLUS SULPHATE OF AMMONIA

**Recommended Use:** Nitrogen fertilizer.

**Supplier:** Yates New Zealand, a division of DuluxGroup (New Zealand) Pty Ltd  
ABN 55 133 404 118  
Co. 2355191

**Street Address:** The Gate Industrial Park,  
373 Neilson St, Onehunga  
Auckland, New Zealand

**Telephone Number:** +64 9 636 2800

**Facsimile:** +64 9 636 2802

**Emergency Telephone:** CHEMCALL 0800 243 622 (ALL HOURS)

## 2. HAZARDS IDENTIFICATION

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.



### Subclasses:

Subclass 6.1 Category D - Substances which are acutely toxic.

Subclass 9.1 Category D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

Subclass 9.3 Category C - Substances that are harmful to terrestrial vertebrates.

Fertilisers (Subsidiary Hazard) Group Standard 2006

### Hazard and Precautionary Information:

Warning.

Harmful if swallowed. Harmful to aquatic life. Harmful to terrestrial vertebrates. Keep out of reach of children. Read label before use. Read Safety Data Sheet before use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components       | CAS Number | Proportion | Risk Phrases |
|------------------|------------|------------|--------------|
| Ammonium sulfate | 7783-20-2  | >95%       | -            |

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Product Name: YATES GRO-PLUS SULPHATE OF AMMONIA  
Substance No: 000000020959

Issued: 28/10/2010  
Version: 2

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**Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

**Skin Contact:**

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

**Eye Contact:**

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:**

If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical assistance.

**Medical attention and special treatment:**

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazards from combustion products:**

Non-combustible material.

**Precautions for fire fighters and special protective equipment:**

Non-combustible material. Decomposes on heating emitting toxic fumes, including those of ammonia and oxides of nitrogen. 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: Media applicable to surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:**

If contamination of sewers or waterways has occurred advise local emergency services.

**Methods and materials for containment and clean up:**

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Keep out of reach of children. Avoid skin and eye contact and breathing in dust.

**Conditions for safe storage:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. High stacking should be avoided as pressure tends to promote caking. Store away from farm chemicals eg. insecticides, fungicides and herbicides.

This product when stored in a confined, unventilated space/hold can give off ammonia or other odour and lead to the depletion of oxygen within this space and other confined spaces. It is therefore essential that ventilation is carried out prior to entry to all ship holds.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational Exposure Limits:** No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for particulates:

Nuisance dust: WES-TWA 10 mg/m<sup>3</sup>

As published by the New Zealand Occupational Safety and Health Service (OSH).

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

### Engineering controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

### Personal Protective Equipment:

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No special personal protective equipment required. Rubber gloves are recommended if handling often. Always wash hands before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                           |
|---|---------------------------|
| <b>Physical state:</b>                  | Granular Powder           |
| <b>Colour:</b>                          | Off-white to Pink / Brown |
| <b>Odour:</b>                           | Odourless                 |
| <b>Solubility:</b>                      | Soluble in water.         |
| <b>Specific Gravity:</b>                | 1.77                      |
| <b>Relative Vapour Density (air=1):</b> | Not available             |
| <b>Vapour Pressure (20 °C):</b>         | Not available             |
| <b>Flash Point (°C):</b>                | Not applicable            |
| <b>Flammability Limits (%):</b>         | Not applicable            |
| <b>Autoignition Temperature (°C):</b>   | Not applicable            |
| <b>% Volatile by Weight:</b>            | Not available             |
| <b>Solubility in water (g/L):</b>       | 10                        |
| <b>Melting Point/Range (°C):</b>        | 512                       |
| <b>Boiling Point/Range (°C):</b>        | Not applicable            |
| <b>Decomposition Point (°C):</b>        | 230                       |
| <b>pH:</b>                              | 4.2 (1% aq. solution)     |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Chemical stability:</b>               | Stable under normal conditions of use.   |
| <b>Conditions to avoid:</b>              | Avoid exposure to heat, sources of ignition, and open flame. Avoid dust generation.      |
| <b>Incompatible materials:</b>           | Incompatible with strong oxidising agents such as nitrites, hypochlorites and chlorates. |
| <b>Hazardous decomposition products:</b> | Ammonia. Hydrogen sulfide. Oxides of carbon. Oxides of nitrogen. Oxides of sulfur.       |
| <b>Hazardous reactions:</b>              | Reacts with alkalis liberating ammonia.  |

## 11. TOXICOLOGICAL INFORMATION

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

|                      |   |
|----------------------|---|
| <b>Ingestion:</b>    | Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.   |
| <b>Eye contact:</b>  | May be an eye irritant.   |
| <b>Skin contact:</b> | Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis. |
| <b>Inhalation:</b>   | Breathing in dust may result in respiratory irritation.   |

### Long Term Effects:

No information available for the product.

### Toxicological Data:

Oral LD50 (rat): 2,840 mg/kg.

Oral LD50 (mice): 640 mg/kg

## 12. ECOLOGICAL INFORMATION

|                    |                                |
|--------------------|--------------------------------|
| <b>Ecotoxicity</b> | Avoid contaminating waterways. |
|--------------------|--------------------------------|

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

Refer to Waste Management Authority. Empty container completely, crush and dispose of safely with domestic rubbish.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.



## Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

### Classification:

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

### Subclasses:

Subclass 6.1 Category D - Substances which are acutely toxic.

Subclass 9.1 Category D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

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## 16. OTHER INFORMATION

### Reason(s) for Issue:

Revised Primary SDS

Change in Hazardous Substance Classification

Alignment to HSNO requirements

This safety data sheet has been prepared by SH&E Shared Services.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.