



## SAFETY DATA SHEET

### AAAs 420

Version: 2  
Revision Date: 22/11/2017  
Author: Peter Wrigley

Uncontrolled once printed  
Approved: Malcolm Dodson

## PROUDLY AUSTRALIAN OWNED AND MANUFACTURED

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : AAAs 420  
Chemical Name : Ammonium Sulphate Solution

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Additives for agriculture

Non-recommended use(s) : None known.

#### 1.3. Details of the supplier of the safety data sheet

Company : Australian Adjuvants Pty Ltd  
5 – 7 Maria Street  
Laverton North  
Victoria, 3026

Telephone : (03) 9369 4333  
Telefax : (03) 9015 6508  
E-mail : admin@ausadjuvants.net.au

#### 1.4. Emergency telephone number

Emergency information : Non-Emergency Phone Number : (03) 9369 4333  
In case of emergency call : (03) 9369 4333 (Business Hrs)  
: 0413 839 023 (After Hrs)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS Classification

Classified as Hazardous according to the criteria of NOHSC  
Not classified as a dangerous goods according to Australia Dangerous Goods Code.  
Eye irritation : Category 2A  
Acute Oral toxicity : Category 4

### 2.2. Label elements

Signal word : Warning

hazard statement : H319 - Causes serious eye irritation.  
H302 - Harmful if Swallowed.

Precautionary Statement (Prevention) : P264 Wash hands thoroughly after use  
P270 Do not eat drink or smoke when using this product P280 - Wear protective gloves/ eye protection/ face protection.

Precautionary Statement (Response) : P302/312/330 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.  
P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice.

### 2.3. Other hazards

None known



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### 3. Composition/information on ingredients

#### 3.1. Substances

Chemical Name	CAS Number	Concentration
Ammonium Sulphate Other non hazardous ingredients including water	7783-20-2 N/A	30-50% To 100%

#### 3.2. Mixtures

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### 4. First aid measures

#### 4.1. Description of first aid measures

- General advice : Remove soiled or soaked clothing immediately
- Inhalation : Move to fresh air. Seek medical advice if nausea or vomiting occurs.
- Skin contact : Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.
- Eye contact : Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
- Ingestion : Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice if nausea or vomiting occurs.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms : Eye irritation

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### 5. Fire-fighting measure

#### 5.1. Extinguishing media

Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.

#### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:  
- Carbon monoxide, Carbon dioxide, oxides of Nitrogen and Sulphur.

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Collect contaminated firefighting water separately, must not be discharged into the drains.



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#### 6. Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

##### 6.2. Environmental precautions

Do not allow to enter drains or waterways

Do not discharge into the subsoil/soil.

##### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder)

Dispose of absorbed material in accordance with the regulations.

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#### 7. Handling and storage

##### 7.1. Precautions for safe handling

Advice on safe handling : Avoid skin and eye contact. Wash hands after using product.

Hygiene measures : No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.

General protective measures : Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.

##### 7.2. Conditions for safe storage, including any incompatibilities

###### Prevention of fire and explosion

Information : No special measures required.

###### Storage

Information : none

Further information on storage conditions : Store in the closed original container in a cool, well-ventilated area.

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#### 8. Exposure controls/personal protection

##### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

##### 8.2. Exposure controls

###### Engineering controls

Appropriate engineering controls : Good general (mechanical) ventilation should be sufficient to control airborne levels.

###### Personal protective equipment

Eye protection : Safety goggles and/or face shield is recommended for use.

Hand and Body protection : impermeable gloves (PVC or neoprene) and overalls.



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## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Clear and colourless liquid
Form	: liquid
Colour	: Colourless
Odour	: characteristic
Melting point	: Melting temperature < 0 °C
Boiling point	: Boiling temperature > 100 °C
Flash point	: no data available
Flammability	: no data available
Upper Explosion/Ignition Limit	: not measured
Lower explosion limit	: not measured
Vapour pressure	: not measured
Relative vapour density	: not measured
Specific Gravity	: 1.2 @ 20°C
Solubility(ies)	: not measured
Water solubility	: Soluble in all proportions
Viscosity, kinematic	: no data available

## 10. Stability and reactivity

### 10.1. Reactivity

Mixing with strong alkali such as caustic soda will result in evolution of ammonia which is corrosive to skin, eyes and airways.

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None with proper storing and handling.

### 10.4. Conditions to avoid

Contact with strong alkalis

### 10.5. Incompatible materials

Strong oxidizing agents, strong bases and alkali metals.

### 10.6. Hazardous decomposition products

Ammonia, oxides of sulphur, nitrogen and carbon.



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#### 11. Toxicological information

##### Acute effects:

Ingestion of large quantities may cause irritation to the digestive tract, nausea, vomiting or diarrhoea

May cause eye irritation, tearing, stinging, blurred vision and redness.

Repeated exposure may cause drying, redness, itching and irritation.

Inhalation of vapour or mist may cause irritation of the nose, throat and respiratory system.

##### Chronic effects:

Repeated or prolonged skin contact may result in skin irritation.

#### 12. Ecological information

**Ecotoxicity:** Not Available.

**Persistence and degradability:** Not Available.

**Mobility:** Product is soluble in water.

#### 13. Disposal considerations

##### 13.1. Waste treatment methods

Product : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Special precautions for landfill or incineration : Avoid contaminating waterways

#### 14. Transport information

**UN Number:** None allocated

**UN Proper Shipping Name:** None allocated

**Class:** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

**Road and Rail Transport:** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport:** Not classified as Dangerous Goods by the criteria of the international Air Transport (IATA) Dangerous Goods Regulations for transport by air.



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#### 15. Regulatory information

**Classification:** None Allocated

**Poisons Schedule:** None allocated

This material is listed on the Australian Inventory of Chemical Substances (AICS)

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#### 16. Other information

None Available

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