



# DAVID GRAY & CO PTY LIMITED

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Date of Issue: July 2024

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## MATERIAL SAFETY DATA SHEET

### IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

**PRODUCT NAME:** Sulphate of Ammonia

**OTHER NAME:** Ammonium Sulphate  
**MANUFACTURERS CODE:** 14358 (3kg), 17862 (10kg), 19966 (50kg)  
**CORRECT SHIPPING NAME (ADG):** None allocated  
**UN NUMBER:** None allocated  
**DANGEROUS GOODS CLASS:** None allocated  
**SUBSIDIARY-RISK:** None allocated  
**PACKAGING GROUP:** None allocated  
**HAZCHEM CODE:** None allocated  
**POISONS SCHEDULE:** None allocated

**USE:** Fertiliser

### PHYSICAL DESCRIPTION / PROPERTIES

**APPEARANCE:** Grey brown to white crystals  
**MELTING POINT:** 235 - 280°C(decomposes)  
**BOILING POINT:** Does not boil (decomposes)  
**VAPOUR PRESSURE:** Not applicable  
**DENSITY:** 1.09 kg/L  
**FLASH POINT:** Not applicable  
**FLAMMABILITY LIMITS:** Non- Flammable  
**SOLUBILITY IN WATER:** 760g/L @20C  
**CORROSIVENESS:** Highly corrosive to aluminium, zinc, copper and brass. Slightly corrosive to mild steel and 304 stainless steel and non corrosive to 316 stainless steel.

### INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Ammonium Sulphate	7783-20-2	99%
Impurities	-	Remainder

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

Has a low toxicity if swallowed.

#### **ACUTE**

##### **SWALLOWED:**

Mild irritant. Ingestion of large amounts may cause nausea, diarrhoea and vomiting.  
LD50 oral rat>3000mg/kg

##### **EYE:**

Mild irritant. Will cause stinging, redness and watering.

##### **SKIN:**

Mild irritant. May cause irritation, itching and redness and drying of the skin.

##### **INHALED:**

Mild irritant. May cause respiratory tract irritation if inhaled.

##### **CHRONIC:**

No information available.

### FIRST AID

*In any case of suspected poisoning, contact a doctor or Poisons Information Centre (phone 131126 Australia) immediately*

##### **SWALLOWED:**

Wash out mouth with water and give water or milk to drink if patient is conscious. Do not induce vomiting. Seek medical assistance if complications develop.

##### **EYE:**

Wash out eye with water for at least 15 minutes. Seek medical attention should irritation develop.

##### **SKIN:**

Wash skin with water. Remove contaminated clothing and wash before re-use.

##### **INHALED:**

Remove from exposure. Seek medical assistance should symptoms persist.

##### **FIRST AID FACILITIES:**

Water, eyewash.

### ADVICE TO DOCTOR:

Treat symptomatically.

## PRECAUTIONS FOR USE

**EXPOSURE STANDARDS:**

There are no exposure limits available.  
Recommend TLV/TWA for nuisance dust particles of 10mg/m<sup>3</sup>

**ENGINEERING CONTROLS:**

Natural ventilation should be adequate under normal conditions of use.

**PERSONAL PROTECTION:**

The use of safety glasses, gloves, and dust mask is recommended.

**FLAMMABILITY:**

Non-flammable.

## SAFE HANDLING INFORMATION

**STORAGE**

Store in the original container in a cool, dry place, out of direct sunlight and out of the reach of children. Keep away from oxidising agents and alkalis as contact with alkalis will produce ammonia gas. Keep away from chlorinating agents such as pool chlorine (sodium hypochlorite and calcium hypochlorite) as explosive nitrogen trichloride may form if in contact.

**TRANSPORT**

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail. Keep away from oxidising agents and alkalis.

**SPILLAGE**

Sweep, vacuum or shovel up spilt material and collect in a suitably labelled container. Wash down contaminated area with water. Product can be re-used if not contaminated.

**DISPOSAL**

Recycle by using as per the label directions, or by disposing in accordance with local regulations.

**FIRE/EXPLOSION HAZARD**

When heated, ammonium sulphate emits toxic fumes (oxides of ammonia and nitrogen sulphur gas). A potentially explosive mixture may form if mixed with pool chlorine.

**FIRE FIGHTING EQUIPMENT:**

Self contained breathing apparatus should be used.

<h2 style="text-align: center;">OTHER INFORMATION</h2>
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### CONTACT POINT

**TITLE:** Production Chemist

**TELEPHONE NUMBER:** (08) 9337 4933

**AUTHORISED:** **Production Chemist**

**DATE:** 8<sup>th</sup> July 2024

**NOTICE:**

This Material Safety Data Sheet has been developed according to the Worksafe Australia Codes of Practice.

The information contained herein is given in good faith however and is considered to be accurate at the specified issue date. No warranty expressed or implied is made to the accuracy or completeness of the data and information contained herein.

No person, other than an authorised representative of David Gray & Company Pty Ltd, has the authority to make any alterations to this MSDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours.