



# Safety Data Sheet

## Ammonium sulphate

Version 1.00

Revision Date 16.05.2016

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

#### Product identifier

**Trade name** Ammonium sulphate

**Synonyms** Ammonium sulphate Ammonium sulphate 21%N, 24%S  
Diammonium sulphate

#### Relevant identified uses of the substance or mixture and uses advised against

**Use** Raw material for fertilizers.

#### Manufacturer or supplier's details

**Company** Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd

**Address** 1 Sturdee Avenue  
Rosebank  
2196  
South Africa

**Telephone** +27114413111

**E-mail address** sasolchem.info.Rosebank@sasol.com

#### Emergency Phone Number

**Emergency telephone number** +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

+44(0)1235 239 671 (Middle East, Arabic African countries)

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

+27 (0)17 610 4444 (South Africa)

+61 (2) 8014 4558 (Australia)

### SECTION 2. Hazards identification



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### Classification of the substance or mixture

**Classification** This substance is not classified as hazardous according to GHS.

### Label elements

**Pictogram** Not applicable

**Signal word** Not applicable

**Hazard statements** This substance is not classified as hazardous according to GHS.

**Precautionary Statement - Prevention** This substance is not classified as hazardous according to GHS.

**Precautionary Statement - Response** This substance is not classified as hazardous according to GHS.

**Precautionary Statement - Storage** This substance is not classified as hazardous according to GHS.

**Precautionary Statement - Disposal** This substance is not classified as hazardous according to GHS.

**Other hazards** No data available

## SECTION 3. Composition/information on ingredients

### Substance

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**Contents:** 100.00 %W/W

**CAS-No.** 7783-20-2

**Index-No.**

**EC-No.** 231-984-1

## SECTION 4. First aid measures

### Description of necessary first-aid measures

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Skin contact</b>	Take off all contaminated clothing immediately. Wash off with plenty of water. Wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.

### Most important symptoms/effects, acute and delayed

Refer to SECTION 11

## SECTION 5. Firefighting measures

<b>Special hazards arising from the substance or mixture</b>	The product itself does not burn.
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### SECTION 6. Accidental release measures

- Environmental precautions** Prevent product from entering drains.
- Methods for cleaning up** Shovel into suitable container for disposal. Protect against water. Dispose of as special waste in compliance with local and national regulations.
- Reference to other sections** Refer to Section 8 and 13

### SECTION 7. Handling and storage

- Safe handling advice** Wear personal protective equipment. Protect from contamination. Do not breathe vapours/dust.
- Advice on protection against fire and explosion** Keep away from heat and sources of ignition.
- Requirements for storage areas and containers** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat.
- Advice on common storage** No data available

### SECTION 8. Exposure controls/personal protection

#### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

#### Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

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Local exhaust

### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation, use dust mask.

**Hand protection** Gloves suitable for permanent contact:  
 Material: natural rubber/natural latex, polychloroprene, butyl-rubber, Polyvinylchloride  
 Break through time: 8 h  
 Material thickness: 0.5 mm  
 Gloves suitable for permanent contact:  
 Material: fluoro carbon rubber - FKM  
 Break through time: 8 h  
 Material thickness: 0.4 mm  
 Gloves suitable for permanent contact:  
 Material: nitrile rubber/nitrile latex  
 Break through time: 8 h  
 Material thickness: 0.35 mm

**Eye protection** Safety goggles

**Skin and body protection** Safety shoes. Apron Lightweight protective clothing.

**Hygiene measures** Wash hands immediately after handling the product.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Form** Solid  
**State of matter** Solid  
**Colour** Off-white

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<b>Odour</b>	Odourless
<b>Odour Threshold</b>	No data available
<b>pH</b>	6.0
<b>Melting point/range</b>	235 ° C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour density</b>	No data available
<b>Density</b>	0.961 g/cm <sup>3</sup>
<b>Bulk density</b>	1,000 - 1,100 kg/m <sup>3</sup>
<b>Water solubility</b>	700 g/120 ° C; Soluble

#### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	No data available
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	No data available
<b>Materials to avoid</b>	Organic materials
<b>Hazardous decomposition products</b>	Nitrogen oxides (NO <sub>x</sub> ).AmmoniaSulphur oxides.

#### SECTION 11. Toxicological information

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<b>Acute oral toxicity</b>	Ammonium Sulphate: LD50 Rat: 2,840 mg/kg; (literature value)
<b>Mutagenicity</b>	No data availableNo data available;
<b>Eye contact</b>	No data available
<b>Skin contact</b>	No data available
<b>Inhalation</b>	No data available
<b>Ingestion</b>	No data available

#### SECTION 12. Ecological information

<b>Toxicity to fish</b>	Ammonium Sulphate: Brachydanio rerio; 96 h; LC50; 480 mg/l; (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Ammonium Sulphate: static test; Daphnia magna; 96 h; LC50; > 100 mg/l(literature value)
<b>Biodegradability</b>	No data available
<b>Bioaccumulation</b>	No data available

#### SECTION 13. Disposal considerations

<b>Product</b>	Dispose of as special waste in compliance with local and national regulations.
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### SECTION 14. Transport information

**Further Information**

Not classified as dangerous in the meaning of transport regulations.

### SECTION 15. Regulatory information

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





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<b>Registration, Evaluation and Authorisation of Chemicals (REACH)</b>	<b>Components Not listed</b> Ammonium Sulphate
<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
<b>Canadian Domestic Substances List (DSL)</b>	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
<b>Australian Inv. of Chem. Substances (AICS)</b>	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	<b>Components Not listed</b> Ammonium Sulphate
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
<b>Korea. Existing Chemicals Inventory (KECI)</b>	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
<b>China Inv. Existing Chemical Substances (IECSC)</b>	<b>Components Not listed</b> Ammonium Sulphate

### SECTION 16. Other information



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All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.