



## Safety Data Sheet

### AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

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

**Product identifier**

**Trade name**

AMMONIA SOLUTION, 25%

**Synonyms**

Ammonium hydroxide solution 25%

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

**Use**

Chlorine carrier in water treatment. pH control. Food industry

**Manufacturer or supplier's details**

**Company**

Sasol Chemicals, a division of Sasol South Africa Ltd

**Address**

Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa

**Telephone**

+27103445000

**E-mail address**

sasolchem.info.sa@sasol.com

**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)  
+86 400 120 6011 (China)  
+27 (0)17 610 4444 (South Africa)  
0800 112 890 RSA-Local only  
+61 (2) 8014 4558 (Australia)

#### SECTION 2. Hazards identification

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

**Classification**

Skin corrosion/irritation

Category 1A

Specific target organ toxicity - single  
exposure

Category 3

Short-term (acute) aquatic hazard

Category 1

**Label elements**

# Safety Data Sheet

## AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

### REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word

: Danger

Hazard statements

- : H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.

### Precautionary statements

#### Prevention

- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P271 Use only outdoors or in a well-ventilated area.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash the contact area thoroughly after handling.

#### Response

- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302 + P310 IF ON SKIN: Immediately call a POISON CENTER or doctor/ physician.

#### Storage

- P405 Store locked up.

#### Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.



# Safety Data Sheet

## AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

### SECTION 3. Composition/information on ingredients

#### Mixture

Ammonia, aqueous solution

Contents: 25.00 %W/W

CAS-No. 1336-21-6

Index-No. 007-001-01-2

EC-No. 215-647-6

Hazard statements *H314 H335 H400*



## Safety Data Sheet

### AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

#### 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. Obtain medical attention.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Wash contaminated clothing before re-use. Consult a physician.
<b>Eye contact</b>	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention.

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

Refer to SECTION 11

#### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water spray. Foam Dry chemical.
<b>Unsuitable extinguishing media</b>	Do NOT use water jet.
<b>Special hazards arising from the substance or mixture</b>	Exposure to decomposition products may be a hazard to health.
<b>Special protective equipment for firefighters</b>	Use personal protective equipment.

#### SECTION 6. Accidental release measures



## Safety Data Sheet

### AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

<b>Personal precautions</b>	Use personal protective equipment.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up</b>	The material taken up must be disposed of in accordance with regulations.
<b>Reference to other sections</b>	Refer to section 8 and 13

#### SECTION 7. Handling and storage

<b>Safe handling advice</b>	Avoid contact with skin and eyes. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.
<b>Advice on protection against fire and explosion</b>	No data available
<b>Requirements for storage areas and containers</b>	Keep tightly closed.
<b>Advice on common storage</b>	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.

##### Personal protective equipment

<b>Respiratory protection</b>	Approved/certified vapour respirator.
<b>Hand protection</b>	Gloves suitable for permanent contact: Material: butyl-rubber Break through time: 4 h

## Safety Data Sheet

### AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

Material thickness: 0.5 mm

<b>Eye protection</b>	Splash goggles
<b>Skin and body protection</b>	Chemical resistant protective suit. Chemical resistant safety boots.
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

#### SECTION 9. Physical and chemical properties

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

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa
<b>Colour</b>	Colourless
<b>Odour</b>	Pungent
<b>Odour Threshold</b>	No data available
<b>pH</b>	12
<b>Melting point/range</b>	No data available
<b>Boiling point/boiling range</b>	36 ° C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Auto-ignition temperature</b>	651.1 ° C
<b>Lower explosion limit</b>	16 %(V); Lower flammability limit
<b>Upper explosion limit</b>	25 %(V); Upper flammability limit
<b>Vapour pressure</b>	796 hPa; 20 ° C
<b>Relative vapour density</b>	0.6(Air = 1.0)
<b>Water solubility</b>	Completely soluble, Completely miscible

#### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Oxidizing agents. Acids

# Safety Data Sheet

## AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

**Hazardous decomposition products** Ammonia gas may be liberated at high temperatures. Nitrogen oxides (NO<sub>x</sub>).

### SECTION 11. Toxicological information

**Acute inhalation toxicity** Ammonia, aqueous solution:  
LC50 Mouse: vapour; 2115 ppm; (literature value)

**Skin irritation** Corrosive to skin

**Eye irritation** Ammonia, aqueous solution:  
Rabbit: Highly irritating

### SECTION 12. Ecological information

**Toxicity to daphnia and other aquatic invertebrates** Very toxic to aquatic organisms.

### SECTION 13. Disposal considerations

**Product** Disposal should be in accordance with local, regional and national legislations.

**Packaging** Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

### SECTION 14. Transport information

DG Pictogram



ADR

UN number: 2672

Class: 8

Packaging group: III; C5;

# Safety Data Sheet

## AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

**Proper shipping name:** AMMONIA SOLUTION  
**RID**  
**UN number:** 2672  
**Class:** 8  
**Packaging group:** III; C5  
**Proper shipping name:** AMMONIA SOLUTION  
**ADNR**  
**UN number:** 2672  
**Class:** 8  
**Packaging group:** III; C5  
**Proper shipping name:** AMMONIA SOLUTION  
**IMDG**  
**UN number:** 2672  
**Class:** 8  
**EmS:** F-A, S-B; IMDG Page: 18  
**Packaging group:** III; Marine pollutant  
**Proper shipping name:** AMMONIA SOLUTION  
**ICAO/IATA**  
**UN number :** 2672  
**Class:** 8  
**Packaging group:** III  
**Proper shipping name:** AMMONIA SOLUTION

### SECTION 15. Regulatory information

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

<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</b>	All chemical constituents are listed in: New Zealand Inventory of





## Safety Data Sheet

### AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020

(NZIoC)	Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

## SECTION 16. Other information

### Full text of H-Statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

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.



## Safety Data Sheet

### AMMONIA SOLUTION, 25%

Version 1.00

Revision Date 25.11.2020