

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

1.1. Product identifier

Chemical type : Mixture
 Product name - Trade name : Ammonia sol 25% CP
 EC index no : 007-001-01-2
 EC no : 215-647-6
 CAS No. : 1336-21-6
 REACH registration No. : 01-2119488876-14

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

QUARON N.V.
 Noordweg 3
 3336 LH Zwijndrecht - Nederland
 T +31 (0)78 6250 000 - F +31 (0)78 6250 050
msds@quaron.com - www.quaron.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
NETHERLANDS	National Poisons Information Centre National Institute for Public Health and the Environment, NB this service is only available to health professionals	P.O. Box 1 3720 BABilthoven	+31 30 274 88 88

2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Mixture: CLP classification not requested

2.1.2. Classification according to Directive 67/548/EEC or 1999/45/EC

C; R34
 N; R50

Full text of R-phrases: see section 16.

2.1.3. Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Mixture: CLP classification not requested

2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

Symbol(s) :



C - Corrosive



N - Dangerous for the environment

R Phrase(s) :

R34 - Causes burns
 R50 - Very toxic to aquatic organisms

S Phrase(s) :

S1/2 - Keep locked up and out of reach of children
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 - Wear suitable protective clothing gloves, and eye/face protection
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
 S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

2.3. Other hazards

No additional information available



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according to Regulation (EC) No. 1907/2006

3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Ammonia solution	(CAS No.)1336-21-6 (EC no)215-647-6 (EC index no)007-001-01-2 (REACH-no)01-2119488876-14	>= 25	C: R34 N: R50

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ammonia solution	(CAS No.)1336-21-6 (EC no)215-647-6 (EC index no)007-001-01-2 (REACH-no)01-2119488876-14	>= 25	Skin Corr. 1B, H314 Aquatic Acute 1, H400

Full text of R-, H- and EUH-phrases: see section 16.

4. First aid measures

4.1. Description of first aid measures

- After inhalation : Allow the affected person to rest. Remove the victim into fresh air. Seek medical attention immediately.
- After skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- After eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After swallowing : Rinse mouth. Give large quantities of water. Call a physician immediately.

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

- Skin contact : This material has been shown to be a severe skin irritant.
- Eye contact : Severe eye irritant.
- Ingestion : Irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

No additional information available

5. Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

- Hazardous reactions : Reacts violently with : Acids.

5.3. Advice for firefighters

No additional information available

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Equip cleanup crew with proper protection.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers, ground and public waters. Residue may be washed down with water.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.

6.4. Reference to other sections

No additional information available



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according to Regulation (EC) No. 1907/2006

7. Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store in dry, cool area. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

7.3. Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Skin protection : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn.
- Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance : Colourless. Liquid.
- Physical state : Liquid
- Colour : Colourless.
- Odour : Pungent.
- pH value : 13
- Density : 0.9
- Water solubility : Mixable in all proportions

9.2. Other information

No additional information available

10. Stability and reactivity

10.1. Reactivity

Reacts violently with : Acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid heat, sparks, open flame.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Ammonia.

11. Toxicological information

11.1. Information on toxicological effects

Corrosivity : Causes burns.

Ammonia solution (1336-21-6)	
Rat oral LD50	350 mg/kg

12. Ecological information

12.1. Toxicity

Ammonia solution (1336-21-6)	
LC50-96 Hour - fish	0,083 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Ammonia sol 25% cp (1336-21-6)	
- on soil	Dike for recovery or absorb with appropriate material.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
 Additional information : After last use, the packing should be totally empty and closed.

14. Transport information

14.1. UN number

UN-No. : 2672

14.2. UN proper shipping name

Proper Shipping Name : AMMONIA SOLUTION
 Transport document description : UN 2672 AMMONIA SOLUTION, 8 (N), III, (E)

14.3. Transport hazard class(es)

14.3.1. Overland transport

Class (ADR) : 8 - Corrosive substances
 Hazard identification number (Kemler No.) : 80
 Classification code (ADR) : C5
 Labelling ADR : 8 - Corrosive substances
 N - Dangerous for the environment



Orange plates :



Code tunnelrestriction (ADR) : E
 Limited quantities (ADR) : LQ07
 Excepted quantities (ADR) : E1

14.3.2. Transport by sea

No additional information available

14.3.3. Air transport

No additional information available

14.4. Packing group

Packing Group : III



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14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No additional information available

15. Regulatory information

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

15.1.1. EU-Regulations

No additional information available

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

16. Other information

Further information : The contents and format of this MSDS are in accordance with regulation (EC) no. 1907/2006 of the European Parliament and Council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of Chemicals (REACH). Appendix Of the raw materials in chapter 3 at moment of reporting of this material safety data sheet, chemical safety reports have not been registered in the scope of regulation (EC) no. 1907/2006.

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - acute hazard Category 1
Skin Corr. 1B	Skin Corrosion/Irritation Category 1B
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
R34	Causes burns
R50	Very toxic to aquatic organisms

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.