

Safety Data sheet

According to Directive 1907/2006

0785 AMMONIUM CHLORIDE, SOLUTION 20% w/w

Creation Date: 02/05/2019 Revision date: 02/05/2019

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

Identification of the product

Catalogue No: 0785 Product name: AMMONIUM CHLORIDE, SOLUTION 20% w/w Use of the substance: Chemical analysis.
Chemical production REACH registration Nr.: 01-2119489385-24-0050

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

22 Harmful if swallowed.
36 Irritating to eyes.

S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling in accordance with directive 1272/2008



H-phrases

302 Harmful if swallowed.
319 Causes serious eye irritation.

P-phrases

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

305+351 If in eyes: Rinse cautiously with water for several minutes
338 Remove contact lenses, if present and easy to do. Continue rinsing.

Signal word : WARNING

HARMFUL

R-phrases:

Harmful if swallowed.

Irritating to eyes.

3. Composition/information on ingredients

Short hazard description

AMMONIUM CHLORIDE (CAS-Nr. 12125-02-9, EINECS-Nr. 235-186-4) 9-11%

R-Phrases: 22; 36

HARMFUL

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 12125-02-9

Molecular Weight: 53,50

Chemical formula: NH_4Cl

EC-Index-No.: 017-014-00-8

EC-No.: 235-186-4

R-phrases 22; 36

For more information about the R-Phrases text you can consult the paragraph 16

4. First aid measures

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

If sickness persists, call the physician

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Take out the contact lenses, if it can be done easily

Call the physician if sickness persists

After swallowing:

Rinse the mouth

Avoid vomiting

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water

Carbon dioxide

Adapt the materials of the surroundings

Special risks:

Fireproof

Ambient fire may liberate hazardous vapours

The following may develop in event of fire: hydrochloric acid

The following may develop in event of fire nitrogen oxides

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

Work in a closed system with dust non-explosive ventilation, electrical equipment and lighting system.

Other information:

Precipitate emergent steam with water

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

6. Accidental release measures

Person-related precautionary measures:

Hermetic suit of chemical protection, with independent breathing equipment

Avoid contact with the substance

Procedures for cleaning/absorption:

To gather with absorbents

To come to the elimination of the remainders

Environmental protection measures:

Do not send it to the sewerage system

Do not allow that the product gets to the environment

7. Handling and storage

Handling: Without other exigencies

8. Exposure controls/personal protection

Exposure limit control

AMMONIUM CHLORIDE

VLA-ED: 10 mg/m³ VLA-EC: 20 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Protection gloves:

Nitrile rubber

Eye protection:

Fit security glasses

Other protective equipment:

Change immediately contaminated clothes

Wash hands and face when the work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour: Odourless

pH value: 4-6

Dynamic viscosity: Not available

Ignition temperature: Not available

Explosion limits: Not available

Vapour pressure: Not available

Density (g/cm³): 1,030
Solubility: Freely soluble in water
log P(ow): Not available
Decomposition temperature Not available
Relative density 1.03 g/ml
Autoignition temperature Not available

10. Stability and reactivity

Substances to be avoided:

Alkaline hydroxides.

Hazardous decomposition products:

Hydrogen chloride.

Ammonia.

11. Toxicological information

Acute toxicity:

LD50 (oral, rata): 14400 mg/kg

After eye contact:

Irritation

After skin contact:

Slight irritation symptoms

12. Ecological information

Fishes: Cyprinus carpio: LC50: 2100 mg/l/96h. Fishes: 3 mg/l

Daphnia: Daphnia magna: CL50: 3.9 mg/l/48h.

Bioaccumulation: No es de esperar una bioacumulación (log Poct < 1)

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.

For contaminated packaging the same measures must be adopted as for the contaminated product.

Not contaminated packaging must be disposed of as domestic residues or recycled material.

European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3

22 Harmful if swallowed.

36 Irritating to eyes.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.