

Safety Data sheet

According to Directive 1907/2006

0202 AMMONIUM CHLORIDE

Creation Date: 01/12/2010 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 0202 Product name: AMMONIUM CHLORIDE Use of the substance: Chemical analysis. Chemical production. REACH registration Nr.: 01-2119489385-24-0050

Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

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Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología *Madrid* Tel:915620420 Chemtrec: 800-424-9300

2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

22 Harmful if swallowed.
36 Irritating to eyes.

S-phrases

22 Do not breathe dust.

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

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 inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

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

Call the ophthalmologist

After swallowing:

Drink lots of water

Call the doctor

After ingestion of great amounts: stomach washing

5. Fire-fighting measures

Suitable extinguishing media:

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.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

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:

Do not inhale dust
Ventilation in closed spaces
Avoid contact with the substance

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.
Rinse.

To avoid the inert dust formation

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed
Dry place.
Storage temperature: without limits

8. Exposure controls/personal protection

Exposure limit control

VLA-ED: 10 mg/m³ VLA-EC: 20 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Protection gloves:
Nitrile rubber

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes
Recommendable preventive protection of the skin
Wash hands and face when the work is finished
Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid

Colour: Colourless

Odour: Odourless

pH value: 4,5-5,5 (50 g/l H₂O)

Ignition temperature: >400°C

Vapour pressure: 1,3 hPa (30°C) 67 hPa (250°C)

Solubility: 372 g/l (water)

log P(ow): -4,37

10. Stability and reactivity

Substances to be avoided:

Acids.
Alkaline hydroxides.
Nitrates.
Nitrites.
Chlorates.
Copper.
Halogen-halogen compounds.
Chlorine.

Hazardous decomposition products:

Hydrogen chloride.
Ammonia.

Further information:

To avoid heating.
Sublimable.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 1440 mg/kg

After eye contact:

Irritation

After skin contact:

Slight irritation symptoms

After inhalation:

Coughing

Dyspnoea

After long contact:

Loss of consciousness

Nausea

Headache

CNS disorders

Narcosis

Spasms

Hypotension

Haemolysis

Respiratory paralysis

Collapse

After swallowing:

Irritations

Diarrhoea

Vomiting

Nausea

Further toxicological information:

The precautions adapted for chemical agents must be observed

12. Ecological information

Fishes: *Cyprinus carpio*: LC50: 209 mg/l/96h. Fishes: 0,3 mg/l.

Daphnia: *Daphnia magna*: LC50: 0,39 mg/l/48h.

Log P(ow): -4,37

Bioaccumulation: No bioaccumulation is to be expected (log Pow < 1)

Other harmful effects:

Product hardly pollutant for water
Do not allow to enter waters, waste water, or soil

13. Disposal considerations

Product:

Dispose as regulated in the communitary 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

Air transport ICAO-IATA-DGR

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.