

Safety Data sheet

According to Directive 1907/2006

0205 AMMONIUM FLUORIDE

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: 0205 Product name: AMMONIUM FLUORIDE Use of the substance: Analysis and chemical-pharmaceutical production

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

Emergency telephone No.

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

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

S-phrases

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

45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)

Labelling in accordance with directive 1272/2008



H-phrases

331 Toxic if inhaled.

311 Toxic in contact with skin.

301 Toxic if swallowed.

P-phrases

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

Signal word : DANGER

TOXIC

R-phrases:

Toxic by inhalation, in contact with skin and if swallowed.

3. Composition/information on ingredients

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

CAS-No.: 12125-01-8

Molecular Weight: 37,04

Chemical formula: NH_4F

EC-Index-No.: 009-006-00-8

EC-No.: 235-185-9

R-phrases 23/24/25

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

4. First aid measures

Gloves necessity

Help the injured person wearing suitable protective equipment.

After inhalation:

Fresh air

If necessary, artificial respiration

Give oxygen by specialized people

Call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Extract the substance by means of cotton impregnated with polietilenglicol 400

Get rid of the contaminated clothes

Call the physician

After eye contact:

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

Call the ophthalmologist

After swallowing:

Drink lots of water

To cause vomit

Keep airways free

Laxative: sodium sulphate (1 spoonful for every 1/4 l water)

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Adapt the materials of the surroundings

Special risks:

Fireproof

Ambient fire may liberate hazardous vapours

In case of fire, hydrogen fluoride can be formed

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:

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

Precipitate emergent steam with water

6. Accidental release measures

Person-related precautionary measures:

Avoid contact with the substance

Do not inhale dust

Ventilation in closed spaces

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

To avoid the inert dust formation

Other information:

Render harmless: cover with sodium bicarbonate

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling:

Work under display cabinet extractor

Do not inhale the substance

Storage:

Well closed

In well-ventilated place

Dry place.

Only accessible to experts

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 2.5 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Skin and body protection:

Suitable protective clothing

Other protective equipment:

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands and face when the work is finished

Neither to eat, nor to drink, nor to smoke during the work

Work under extractor

Do not inhale the substance

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid
Colour: White
Odour: Ammonia-like
pH value: ca. 6
Solubility: Water: 820 g/l
log P(ow): -4.37

10. Stability and reactivity

Substances to be avoided:

Acids.
Halogen-halogen compounds.

Hazardous decomposition products:

Hydrogen fluoride.

Further information:

Incompatible with glass.
Incompatible with metals.

11. Toxicological information

After eye contact:

Irritation
Córnea disorder

After skin contact:

Irritations
Injuries to the skin

After inhalation:

Irritations of the mucous membranes
Coughing
Dyspnoea

After long contact:

Due to absorption:
Spasms
Loss of consciousness
Cardiac dysrhythmia
Respiratory paralysis

12. Ecological information

Fishes: P. promelas LC50: 364 mg/l/96h
Log P(ow): -4.37
Bioaccumulation: Bioaccumulation is not expected
Other harmful effects:
Hazard for drinking water supplies
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**

UN: 2505
Class: 6.1
Packaging group: III
Correct technical name: AMMONIUM FLUORIDE

Sea transport IMDG

UN: 2505
Class: 6.1/III
Packaging group: III
Correct technical name: AMMONIUM FLUORIDE

Air transport ICAO-IATA-DGR

UN: 2505
Class: 6.1
Packaging group: III
Correct technical name: AMMONIUM FLUORIDE
CAO: 677
PAX: 670

15. Regulatory information

16. Other information

Full text of R phrases mentioned in sections 2 and 3
23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
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.