

Safety Data sheet

According to Directive 1907/2006

0207 AMMONIUM DIHYDROGEN PHOSPHATE

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: 0207 Product name: AMMONIUM DIHYDROGEN PHOSPHATE Use of the substance: Analysis and chemical-pharmaceutical production.

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE
Product not dangerous according to Regulation (EC) 1272/2008

3. Composition/information on ingredients

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

CAS-No.: 7722-76-1

Molecular Weight: 115,03

Chemical formula: $\text{NH}_4\text{H}_2\text{PO}_4$

EC-No.: 231-764-5

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

To cause vomit

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

The following may develop in event of fire nitrogen oxides

The following may develop in event of fire: phosphorus oxides

Special protective equipment for fire fighting:

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

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

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

TLV-TWA: 10 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Needed

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes

Wash hands when 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: 3,8-4,4 (50 g/l H₂O)

Melting point: 190°C

Vapour pressure: 0,066 hPa

Solubility: 368 g/l (water)

10. Stability and reactivity

Substances to be avoided:

Sodium hypochlorite.

Hazardous decomposition products:

Nitrogen oxides.

Phosphorus oxides.

Ammonia.

Further information:

Strong heating (decomposition).

11. Toxicological information

Acute toxicity:

LD50 (dermal, rabbit): > 7940 mg/kg; LD50 (oral, rat): 5750 mg/kg

After eye contact:

Slight irritation

After skin contact:

Slight irritation symptoms

After long contact:

Due to absorption:

CNS disorders

Narcosis

Hypotension

Haemolysis

Collapse
Respiratory paralysis

After swallowing:

Irritations
Vomiting
Diarrhoea

Further toxicological information:

Take the usual precautions for handling chemical products

12. Ecological information

Fishes: P. promelas LC50: 155 mg/l /96 h

Other harmful effects:

May contribute to the eutrophication of water supplies

No ecological problems are to be expected when the product is handled and used with due care and attention

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

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

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.