

Safety Data sheet

According to Directive 1907/2006

0215 AMMONIUM PEROXYDISULPHATE

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: 0215 Product name: AMMONIUM PEROXYDISULPHATE Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119495973-0000

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

8 Contact with combustible material may cause fire.
22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
42/43 May cause sensitization by inhalation and skin contact.

S-phrases

22 Do not breathe dust.
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37 Wear suitable gloves.

Labelling in accordance with directive 1272/2008

**H-phrases**

272 May intensify fire; oxidiser.
302 Harmful if swallowed.
319 Causes serious eye irritation.
335 May cause respiratory irritation.
315 Causes skin irritation.
334 May cause allergy or asthma symptoms of breathing difficulties if inhaled.
317 May cause an allergic skin reaction.

P-phrases

210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
220 Keep/Store away from clothing/combustible materials.
221 Take any precaution to avoid mixing with combustibles.
309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
261 Avoid breathing dust/fume/gas/mist/vapours/spray.
305+351 If in eyes: Rinse cautiously with water for several minutes.
338 Remove contact lenses, if present and easy to do. Continue rinsing.
285 In case of inadequate ventilation wear respiratory protection.
342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
271 Use only outdoors or in a well-ventilated area.
312 Call a POISON CENTER or doctor/physician if you feel unwell.

Signal word : DANGER

OXIDIZING; HARMFUL

R-phrases:

Contact with combustible material may cause fire.
Harmful if swallowed.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.

3. Composition/information on ingredients

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

CAS-No.: 7727-54-0

Molecular Weight: 228,20

Chemical formula: $(\text{NH}_4)_2\text{S}_2\text{O}_8$

EC-Index-No.: 016-060-00-6

EC-No.: 231-786-5

R-phrases 8; 22; 36/37/38; 42/43

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

5. Fire-fighting measures

Suitable extinguishing media:

Dust

Foam

Carbon dioxide

Special risks:

In case of fire, SO_x gas can be formed

Ambient fire may liberate hazardous vapours

The following may develop in event of fire nitrogen oxides

Keep away from combustibles materials

Fire promoting

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.

Wear suitable protective clothing

Other information:

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

6. Accidental release measures

Person-related precautionary measures:

Avoid dust formation

Do not inhale dust

Avoid contact with the substance

Ventilation in closed spaces

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

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

Contents may be under pressure

Avoid contact with organic substances

Storage:

Well closed

Dry place.

Moved away of inflammable substances, sources of ignition and heat

Away from organic substances

8. Exposure controls/personal protection

Exposure limit control
TLV-TWA: 0,1 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: White

Odour: Odourless

pH value: 3,2 (100 g/l H₂O)

Melting point: 120°C

Solubility: 620 g/l (water)

10. Stability and reactivity

Substances to be avoided:

Alkaline hydroxides.

Hydrogen peroxide.

Bases.

Metal (powder).

Copper.

Iron.

Combustible substances.

Peroxides.

Silver.

Zinc.

Hazardous decomposition products:

Nitrogen oxides.

Ammonia.

Sulphur oxides.

Ozone.

Further information:

To avoid heating.

11. Toxicological information

Acute toxicity:

LD0 (dermal, rat): 2000 mg/kg. LD50 (oral, rat): 495 mg/kg.

After eye contact:

Irritation

After skin contact:

Risk of skin sensitization

Irritations

After inhalation:

Dyspnoea

Irritations of the mucous membranes

Irritation of: respiratory tract

Irritations of: lungs

Oedemas in the respiratory tract

Risk of airways sensitization

After long contact:

Due to absorption:

Vomiting

Nausea

Headache

Diarrhoea

Intestinal disorder

Stomach disorder

Further toxicological information:

The precautions adapted for chemical agents must be observed

12. Ecological information

Fishes: *Onchorhynchus mykiss*: LC50: 76 mg/l/96h

Daphnia: *Daphnia magna*: EC50: 120 mg/l/48h

Algae: *Scenedesmus quadricauda*: EC50: 33 mg/l

Bacteria: *Pseudomonas putida*: EC10: 36 mg/l/18h

Other harmful effects:

Product reacts with water

Product hardly pollutant for water

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

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

UN: 1444

Class: 5.1

Packaging group: III

Correct technical name: AMMONIUM PERSULPHATE

Sea transport IMDG

UN: 1444
Class: 5.1/III
Packaging group: III
Correct technical name: AMMONIUM PERSULPHATE

Air transport ICAO-IATA-DGR

UN: 1444
Class: 5.1
Packaging group: III
Correct technical name: AMMONIUM PERSULPHATE
CAO: 563
PAX: 559

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3

8 Contact with combustible material may cause fire.

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

42/43 May cause sensitization by inhalation and skin contact.

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.