PanReac AppliChem ITW Reagents

Safety Data Sheet
According to Regulation (EU) 830/2015

1127 di-Ammonium Hydrogen Phosphate

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

1.1 Product identifier
Name:
di-Ammonium Hydrogen Phosphate

Synonym:
Ammonium Phosphate di-Basic, Secondary Ammonium Phosphate

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) Nº 1907/2006, the annual tonnage does not requiere a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:
PANREAC QUIMICA S.L.U.
C/Garraf 2
Polígono Pla de la Bruguera
E-08211 Castellar del Vallès
(Barcelona) Spain
Tel. (+34) 937 489 400
e-mail: product.safety@panreac.com

1.4 Emergency telephone:
Single telephone number for emergency calls: 112 (EU)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: di-Ammonium Hydrogen Phosphate
Formula: (NH4)2HPO4 M.= 132,06 CAS [7783-28-0]
EC number (EINECS): 231-987-8

3.2 Mixtures

4. First aid measures

4.1 Description of first aid measures
Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
Swallowing:
Drink large amounts of water. Induce vomiting. In the event of sickness, seek medical assistance.

Inhaling:
Take the person out into the fresh air.

Contact with the skin:
Wash with plenty of water. Remove contaminated clothing.

Eyes:
Wash with plenty of water, keeping eyelids open.

5. Firefighting measures

5.1 Extinguishing media:
As appropriate to the environment.

5.2 Special hazards arising from the substance or mixture:
Incombustible. In the event of fire, toxic fumes may form: NH3,NOx,POx.

5.3 Advice for firefighters:
Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
No special indications.

6.2 Environmental precautions:
Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:
Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

6.4 Reference to other sections
Not applicable

7. Handling and storage

7.1 Precautions for safe handling:
No special indications.

7.2 Conditions for safe storage, including any incompatibilities:
Well sealed containers. Dry atmosphere.
Recommended storage temperature: Room temperature.

7.3 Specific end use(s)
No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:
Data not available.

8.2 Exposure controls

No special indications.

Respiratory protection:
If dust forms, use suitable respiratory protection.

Hand protection:
Use suitable gloves

Eye/face protection:
Use safety glasses.

Individual hygiene measures:
Remove contaminated clothing. Wash hands before breaks and when the job is done.

Environmental exposure controls:
Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance: solid
Colour: White
Granulometry: N/A
Odour: Slightly piquant.
pH: 7,8 - 8,5
Melting point/freezing point: N/A
Initial boiling point and boiling range:
N/A
Flash point:
N/A

Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: 1,62 g/ml
Solubility: 690 g/l in water (20 °C)
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: above155 °C
Kinematic viscosity: N/A
Dynamic viscosity:
N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

10.2 Chemical stability:

No specific data.

10.3 Possibility of hazardous reactions

No specific data.

10.4 Conditions to avoid:

The product is chemically stable under standar ambient conditions (room temperature).

10.5 Incompatible materials:

No specific data.

10.6 Hazardous decomposition products:

Ammonia.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

: Data not available.

Dangerous effects for health:
The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: If swallowed in large quantities: intestinal disorders hypotension electrolytic balance disorders Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:
- EC50 test (mg/l):
Fish (ammonium) 0,3 mg/l
Classification:
Extr. toxic
- Receptor medium:
Risk for the water environment
Risk for the land environment
- Observations:

12.2 Persistence and Degradability :
- Test:
- Biotic degradation classification:
BOD5/COD
Biodegradability
- Abiotic degradation depending on pH:
- Observations:
12.3 Bioaccumulative potential:
- **Test:**
- Bioaccumulation:
Risk
- Observations:
12.4 Mobility in soil :
Data not available.

12.5 Assessment PBT and MPMB :
Data not available.

12.6 Other adverse effects:
If suitable handling conditions are maintained, no ecological problems are to be anticipated.
Encourages eotrophy in rivers and water channels.

13. Disposal considerations

13.1 Waste treatment methods:
In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.
In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.
2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.
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Contaminated containers:
Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.
European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.
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14. Transport information

14.1 UN number
Not applicable

14.2 UN proper shipping name
Not applicable

14.3 Transport hazard class(es)
Not applicable

14.4 Packing group
Not applicable

14.5 Environmental hazards
Not applicable

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment
Not applicable

16. Other information

Other precautionary statements

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15
The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.