

FUREX ABC 20

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Fire extinguishers.

Industrial use. Professional use.

Not suitable for use in

Consumer use.

1.3. Details of the supplier of the safety data sheet

Supplier

Presto Brandsäkerhet AB

Street address

Värmbolsvägen 2, Box 315

64123 KATRINEHOLM

Sweden

Telephone

+46 (0)10-45 20 000

Email

info@presto.se

1.4. Emergency telephone number

NHS 111

Available outside office hours

Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2. Label elements

The product does not require labelling in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

No information available regarding PBT/vPvB. The product does not contain any known or suspected endocrine disruptors.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Ammonium dihydrogen phosphate	7722-76-1 231-764-5 01-2119488166-29 -	10 - 25%	-	- - -	-

Substance additional information

For the complete meaning of H phrases mentioned in this section, see section 16..

SECTION 4: First aid measures

4.1. Description of first aid measures

If symptoms occur seek medical attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing. In uncertainty or when symptoms persist, seek medical attention.

Skin contact

Wash affected skin with water and mild soap.

Remove contaminated clothing.

Eye contact

Remove contact lenses if that's the case.

Rinse eyes with water as a precautionary measure.

Ingestion

First, rinse your mouth thoroughly with plenty of water and SPIT OUT the rinse water. Drink at least half a liter of water.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Protective measures are taken with regard to other material on the fire site.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Avoid discharges into drains, onto the ground and in aquatic environments.

6.3. Methods and material for containment and cleaning up

Collect carefully and then transport to a waste disposal facility.

Avoid moving the material around, so that it does not come up into the air.

6.4. Reference to other sections

For personal protection see section 8 and for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Keep this product away from food and out of reach of children and pets.

Do not breathe dust.

Avoid contact with skin and eyes.

This product can cause injury if used incorrectly.

7.2. Conditions for safe storage, including any incompatibilities

Store cool and dry in well-sealed packaging.

7.3. Specific end use(s)

See section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
Dust - inhalable dust	- -	- 10	EH40/2005 Workplace exposure limits	-	2005
Dust - respirable dust	- -	- 4	EH40/2005 Workplace exposure limits	-	2005

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Acute (short term) Oral	1.8 mg/m ³	Workers	Systemic
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Acute (short term) Dermal	34.7 mg/kg bw/day	Consumer	Systemic
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Acute (short term) Oral	6.1 mg/m ³	Consumer	Systemic
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Acute (short term) Oral	20 mg/m ³	Workers	Local
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Acute (short term) Inhalation	2.1 mg/kg bw/day	Workers	Systemic
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Acute (short term) Dermal	20.8 mg/kg bw/day	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	PNEC	Freshwater	1.7 mg/l
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	PNEC	Marine water	0.17 mg/l
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	PNEC	Food chain	17 mg/l

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8.2. Exposure controls

Appropriate engineering controls

The maintenance and servicing of PPE shall be included in the workplace's self-supervision plan. Checks and measures taken shall be documented.

Eye / face protection

Use tight fitting goggles.

Hand protection

Wear protective gloves if there is a risk of direct contact. The gloves must conform to the standard EN 374.

Respiratory protection

Respiratory protection is not required under normal conditions of use.

Respiratory protection with dust filter (P2) is only necessary under extreme working conditions (eg during decontamination).

Environmental exposure controls

Prevent discharges to watercourses, waste water or the ground. Avoid spreading pulverized materials into the air.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Solid

Colour

Light blue

Odour

Odorless

Melting point / freezing point

190 - 200 °C

Boiling point or initial boiling point and boiling range

No data available

Flammability

Not applicable

Lower and upper explosion limit

Not applicable

Flash point

No data available

Auto-ignition temperature

Not applicable

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Decomposition temperature

Not applicable

pH

No data available

Kinematic viscosity

Not applicable

Solubility

Insoluble in water

Partition coefficient n-octanol/water

Not applicable

Vapour pressure

No data available

Density and/or relative density

No data available

Relative vapour density

Not applicable

Particle characteristics

No information available

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions are known under normal use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions are known under normal use.

10.4. Conditions to avoid

Moisture and water during storage can lead to lumps and loss of product quality.

10.5. Incompatible materials

Avoid contact with oxidising substances and strong bases.

10.6. Hazardous decomposition products

None under normal conditions.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information given is based on data on the components.

Acute toxicity

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
Ammonium Dihydrogen Phosphate 7722-76-1 / 231- 764-5	LD50	5750 mg/kg	Oral	24h	Rat
Ammonium Dihydrogen Phosphate 7722-76-1 / 231- 764-5	LD50	> 7940 mg/kg	Dermal	24h	Rabbit

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

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11.2. Information on other hazards

Endocrine disrupting properties

No information available.

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Not classified as dangerous for the environment. However, this does not exclude the possibility of large or frequent spills can be hazardous to the environment.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Ammonium Dihydrogen Phosphate 7722-76-1 / 231-764-5	LC50	> 85.9 mg/l	96h	Oncorhynchus mykiss (rainbow trout)

12.2. Persistence and degradability

Criteria for the biological degradation is not applicable to this inorganic material.

12.3. Bioaccumulative potential

Information on the bioaccumulation of the product is not available.

12.4. Mobility in soil

Mobility

The product is miscible with water and is therefore mobile in soil and water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

Other adverse effects

No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Not classified as hazardous waste.

Refer to manufacturer or supplier for information on recovery or recycling.

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste code	Description
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

Waste management

The waste code is a recommendation. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN number

Not dangerous goods according to transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Label

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Contains no substances from the candidate list REACH.

Contains no substances subject to restrictions according to Annex XVII of REACH.

Contains no substances listed in Annex XIV of REACH.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

Directive 2008/98/EC of the European Parliament and of the Council on waste.

National regulations

Control of Substances Hazardous to Health 2002 (COSHH).

15.2. Chemical safety assessment

No chemical safety assessment has been performed.

SECTION 16: Other information

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: very Persistent and very Bioaccumulative.

LC50: Deadly concentration for 50 % of a test population.

LD50: Leathal dose for 50 % of the test population (leathal median dose).

Evaluation methods for classification

The risk calculation of this mixture was carried out in the form of an assessment by the application of a value determination evidence entrusted to the judgment of an expert, in accordance with 1272/2008 Annex I , taking into account all information available affecting the determination of the hazards presented by the mixture, and in accordance with 1907/2006 Annex XI .