

Prestolit ABC Plus

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

1.1. Product identifier

Trade name

Prestolit ABC Plus

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

The product does not meet the PBT and vPvB criteria of REACH regulation, Annex XIII.

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 -	50 - 60%	-	- - -	-
Ammonium sulfate	7783-20-2 231-984-1 01-2119455044-46 -	30 - 40%	-	- - -	-
Mica	12001-26-2 601-648-2 - -	0 - 5%	-	- - -	-
Talc	14807-96-6 238-877-9 01-2120140278-58 -	0 - 5%	-	- - -	-
Silicon dioxide (SiO ₂)	7631-86-9 231-545-4 01-2119379499-16 613-167-00-5	0 - 5%	-	- - -	-

SECTION 4: First aid measures

4.1. Description of first aid measures

If symptoms occur, consult a physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin contact

Wash with plenty of water.

Remove contaminated clothing.

If symptoms occur, consult a physician.

Eye contact

Remove contact lenses if that's the case.

Rinse eyes with water as a precautionary measure.

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Ingestion

Rinse mouth with water and then drink plenty of water. Do not induce vomiting. Seek medical attention.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

In the event of fire, ammonia (NH₃) may be formed.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

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

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe the product. Avoid contact with skin, eyes and clothes. Use personal protective equipment. Ventilate area.

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

Carefully collect and then transport to the waste management facility. Dispose of absorbed material in accordance within the regulations.

Avoid moving the material so that it does not spread into the air.

6.4. Reference to other sections

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

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

This product can cause injury if used incorrectly.
Keep this product away from food and out of reach of children and pets.
Avoid inhalation of dust.
Avoid contact with skin and eyes.
Wash contaminated clothing before reuse.

General hygiene

When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

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.

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
Mica - total inhalable	12001-26-2 601-648-2	- 10	EH40/2005 Workplace exposure limits	-	2005
Talc - respirable dust	14807-96-6 238-877-9	- 1	EH40/2005 Workplace exposure limits	-	2005
Mica - respirable	12001-26-2 601-648-2	- 0.8	EH40/2005 Workplace exposure limits	-	2005
Dust - inhalable dust	- -	- 10	EH40/2005 Workplace exposure limits	-	2005
Dust - respirable dust	- -	- 4	EH40/2005 Workplace exposure limits	-	2005

DNEL/DMEL

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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

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good hygiene and safety practice, and only in well ventilated areas.

Eye / face protection

Safety glasses with side-shields conforming to EN166.

Hand protection

Protective gloves are not normally required.

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 (e.g. when decontamination).

Environmental exposure controls

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

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Solid – Dusty

Colour

Yellow

Odour

Odorless

Melting point / freezing point

> 100 °C

Boiling point or initial boiling point and boiling range

No data available

Flammability

No data available

Lower and upper explosion limit

Not applicable

Flash point

Not applicable

Auto-ignition temperature

Not applicable

Decomposition temperature

Not applicable

pH

pH for utility solution: 4 - 4.5

Kinematic viscosity

Not applicable

Solubility

Water-soluble

Partition coefficient n-octanol/water

Not applicable

Vapour pressure

No data available

Density and/or relative density

1.9

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Relative density

Not applicable

Relative vapour density

Not applicable

Particle characteristics

No data available

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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.

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
Silicon dioxide	LD50	10000 mg/kg	Oral	24h	Rat

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
(SiO ₂) 7631-86-9 / 231-545-4					
Ammonium Dihydrogen Phosphate 7722-76-1 / 231-764-5	LD50	> 7940 mg/kg	Dermal	24h	Hare
Ammonium Dihydrogen Phosphate 7722-76-1 / 231-764-5	LD50	5750 mg/kg	Oral	24h	Rat
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	LC50	5000 mg/m ³	Dermal	24h	Rat
Ammonium sulfate 7783-20-2 / 231-984-1	LD50	2840 mg/kg	Oral	24h	Rat
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	LC50	> 0,139 mg/l	Inhalation	4h	Rat
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	LC50	2000 mg/m ³	Inhalation	4h	Rat
Ammonium sulfate 7783-20-2 / 231-984-1	LD50	640 mg/kg	Oral	24h	Mouse

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.

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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.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain any known or suspected endocrine disruptors.

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 that large or frequent spills may be hazardous to the environment.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Ammonium sulfate 7783-20-2 / 231-984-1	LC50	53 mg/l	96h	Oncorhynchus mykiss (rainbow trout)
Ammonium Dihydrogen Phosphate 7722-76-1 / 231-764-5	LC50	> 85,9 mg/l	96h	Oncorhynchus mykiss (rainbow trout)
Talc 14807-96-6 / 238-877-9	LC50	> 100 g/L	96h	Brachydanio rerio (zebrafisk)
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	LC50	10000 mg/l	96h	Fish
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	LC50	> 10000 mg/l	96h	Brachydanio rerio (zebrafisk)

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Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	EC50	10000 mg/l	72h	Algae

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Silicon dioxide (SiO ₂) 7631-86-9 / 231-545-4	EC50	10000 mg/l	24h	Daphnia magna (Big water flea)

12.2. Persistence and degradability

Decay/transformation

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

12.3. Bioaccumulative potential

No additional information 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

The product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

Other adverse effects

This product contains nutrients that can change the ecological balance of the local environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Not classified as hazardous waste.

Carefully emptied bags can be left for recycling.

Do not discharge directly into the environment or into the sewer system.

Any disposal practice must be in compliance with all local and national laws and regulations.

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Waste code	Description
06 03 99	wastes not otherwise specified

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

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.

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National regulations

Control of Substances Hazardous to Health 2002 (COSHH).
EH40/2005 Workplace exposure limits, 4th ed., 2020.

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.
EC50: The concentration of a substance that affects 50 % of a population over a given period of time.
LD50: Leathal dose for 50 % of the test population (leathal median dose).

References to key literature and data sources

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

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 .