

Prestolit Ultra Plus

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

1.1. Product identifier

Trade name

Prestolit Ultra Plus

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

Relevant identified uses

Fire extinguishers

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 substances in the mixture do not meet the PBT/vPvB criteria according to REACH, 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 -	48 - 93%	-	- - -	-
Ammonium Sulfate	7783-20-2 231-984-1 01-2119455044-46 -	0 - 38%	-	- - -	-
Talc	14807-96-6 238-877-9 01-2120140278-58 -	0 - <3%	-	- - -	-
Hexamethyldisiloxane	107-46-0 203-492-7 01-2119496108-31 -	0 - <1%	Flam. Liq. 2, Aquatic Acute 1, Aquatic Chronic 2	H225, H400, H411 M-acut=1 -	-

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, consult a physician.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Contact a doctor if the irritation persists.

Skin contact

Remove contaminated clothing and shoes.
Wash the skin with soap and water.
Contact a doctor if the irritation persists.

Eye contact

Remove contact lenses if that's the case.
Immediately rinse with water for several minutes.
If symptoms persist, call a physician.

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Ingestion

First, rinse your mouth thoroughly with plenty of water and SPIT OUT the rinse water. Drink at least half a liter of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

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

None known.

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: The product is an extinguisher.

5.2. Special hazards arising from the substance or mixture

Not noted.

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

Ventilate well. Avoid contact with skin, eyes and clothes. Avoid dust formation. Do not breathe dust. Use personal protection equipment. Wear appropriate allergy-tested protective gloves when cleaning. Dust filter IIb (P2) may be needed during cleaning. Protect your face and eyes with a screen or safety glasses when cleaning.

6.2. Environmental precautions

Do not allow product to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Carefully collected and then transported to the waste management facility. DO NOT touch spilled material.

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

Ventilate well. Avoid contact with skin, eyes and clothes. Avoid dust formation. Do not breathe dust.
Use personal protection equipment.

General hygiene

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Keep in original container.

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
Talc, respirable dust	14807-96-6 -	- 1	EH40/2005	-	2020
Mica-group minerals (Respirable fraction)	- -	- 0.8	EH40/2005	-	2020
Mica-group minerals (Total inhalable)	- -	- 10	EH40/2005	-	2020
Silica, respirable crystalline	- -	- 0.1	EH40/2005	-	2020

DNEL/DMEL

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

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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	Chronic (long term) Inhalation	20 mg/m ³	Consumer	Local
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Chronic (long term) Oral	2.1 mg/kg bw/day	Consumer	Systemic
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Chronic (long term) Dermal	20.8 mg/kg bw/day	Consumer	Systemic
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Inhalation	1.67 mg/m ³	Consumer	Systemic
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Dermal	42.67 mg/kg bw/day	Workers	Systemic
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Inhalation	11.17 mg/m ³	Workers	Systemic
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Inhalation	20 mg/m ³	Consumer	Local
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Oral	6.4 mg/kg bw/day	Consumer	Systemic
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Dermal	12.8 mg/kg bw/day	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Acute (short term) Inhalation	53.4 mg/m ³	Workers	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Acute (short term) Dermal	333 mg/kg bw/day	Workers	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Chronic (long term) Inhalation	53.4 mg/m ³	Workers	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Chronic (long term) Dermal	333 mg/kg bw/day	Workers	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Acute (short term) Dermal	167 mg/kg bw/day	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Acute (short term) Inhalation	13.3 mg/m ³	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Acute (short term) Oral	0.27 mg/kg bw/day	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Chronic (long term) Dermal	167 mg/kg bw/day	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Chronic (long term) Inhalation	13.3 mg/m ³	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Chronic (long term) Oral	0.27 mg/kg bw/day	Consumer	Systemic

PNEC/PEC

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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
Ammonium Sulfate (7783-20-2/231-984-1)	PNEC	Freshwater	0.312 mg/l
Ammonium Sulfate (7783-20-2/231-984-1)	PNEC	Sediment (freshwater)	0.063 mg/kg
Ammonium Sulfate (7783-20-2/231-984-1)	PNEC	Marine water	0.0312 mg/l
Ammonium Sulfate (7783-20-2/231-984-1)	PNEC	Food chain	0.53 mg/l
Ammonium Sulfate (7783-20-2/231-984-1)	PNEC	Sewage Treatment Plant	16.18 mg/l
Ammonium Sulfate (7783-20-2/231-984-1)	PNEC	Soil	62.6 mg/kg
Hexamethyldisiloxane (107-46-0/203-492-7)	PNEC	Freshwater	0.002 mg/l
Hexamethyldisiloxane (107-46-0/203-492-7)	PNEC	Marine water	0.0002 mg/l
Hexamethyldisiloxane (107-46-0/203-492-7)	PNEC	Sediment (freshwater)	0.37 mg/kg
Hexamethyldisiloxane (107-46-0/203-492-7)	PNEC	Sediment (marine water)	0.037 mg/kg
Hexamethyldisiloxane (107-46-0/203-492-7)	PNEC	Soil	0.073 mg/kg
Hexamethyldisiloxane (107-46-0/203-492-7)	PNEC	Sewage Treatment Plant	10 mg/l

8.2. Exposure controls

Appropriate engineering controls

Ventilate well. 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

Wear approved, tight fitting safety glasses where splashing is probable. Use eye protection according to EN 166.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Protective gloves complying with EN 374.

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Other skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Powder

Colour

Blue

Odour

Odorless

Melting point / freezing point

197 °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

No data available

Auto-ignition temperature

Not applicable

Decomposition temperature

> 197 °C

pH

4.5

Kinematic viscosity

Not applicable

Solubility

Water-soluble

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Partition coefficient n-octanol/water

Not applicable

Vapour pressure

0.00147 Pa

Density and/or relative density

> 0.8 g/cm³

Relative vapour density

No data available

Particle characteristics

Not noted.

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under recommended storage and handling 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

Oxidising substances
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

Acute toxicity

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

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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	24 hours	Rat
Ammonium dihydrogen phosphate 7722-76-1 / 231-764-5	LD50	> 7940 mg/kg	Dermal	24 hours	Rabbit
Ammonium Sulfate 7783-20-2 / 231-984-1	LD50	640 mg/kg	Oral	24 hours	Mouse
Ammonium Sulfate 7783-20-2 / 231-984-1	LD50	2840 mg/kg	Oral	24 hours	Rat

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.

11.2. Information on other hazards

Endocrine disrupting properties

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

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Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity

Not classified as dangerous to 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)
Ammonium Sulfate 7783-20-2 / 231-984-1	LC50	53 mg/l	96h	Oncorhynchus mykiss (Rainbow trout)
Talc 14807-96-6/238-877-9	LC50	100 g/l	96h	Brachydanio rerio

12.2. Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

Decay/transformation

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

12.3. Bioaccumulative potential

No 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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Not classified as hazardous waste. Disposal should be in accordance with applicable local, regional, and national laws and regulations.

Waste code	Waste description
06 03 99	wastes not otherwise specified

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

Other

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

ADR / RID / ADN 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

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

EH40/2005 Workplace exposure limits.

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.

PNEC: Predicted no effect concentration.

LD50: Lethal dose for 50 % of the test population (lethal median dose).

DNEL: Derived No Effect Level (Derived level not based on observed effects).

References to key literature and data sources

Information also retrieved from the supplier's safety data sheet.

Date: 2021-02-24.

Phrase meaning

Flam. Liq. 2 - Flammable liquids, hazard category 2

Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2

H225 Highly flammable liquid and vapour.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.