

# Prestolit ABC

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

### 1.1. Product identifier

**Trade name**

Prestolit ABC

### 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 Sulfate	7783-20-2 231-984-1 01-2119455044-46 -	65 - 71%	-	- - -	-
Ammonium dihydrogen phosphate	7722-76-1 231-764-5 01-2119488166-29 -	20 - 23%	-	- - -	-
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 <sup>3</sup>	Source	Remark	Year
Talc, respirable dust	14807-96-6 -	- 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 <sup>3</sup>	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 <sup>3</sup>	Workers	Systemic
Ammonium dihydrogen phosphate (7722-76-1/231-764-5)	DNEL	Chronic (long term) Inhalation	20 mg/m <sup>3</sup>	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

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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Inhalation	1.67 mg/m <sup>3</sup>	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 <sup>3</sup>	Workers	Systemic
Ammonium Sulfate (7783-20-2/231-984-1)	DNEL	Chronic (long term) Inhalation	20 mg/m <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	Consumer	Systemic
Hexamethyldisiloxane (107-46-0/203-492-7)	DNEL	Chronic (long term) Oral	0.27 mg/kg bw/day	Consumer	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

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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	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.

### **Other skin protection**

Wear suitable protective clothing.

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## **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

#### **Partition coefficient n-octanol/water**

Not applicable

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**Vapour pressure**

0.00147 Pa

**Density and/or relative density**

>0,8

**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	> 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
Ammonium dihydrogen phosphate 7722-76-1 / 231-764-5	LD50	5750 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
Talc 14807-96-6/238-877-9	LC50	> 100 g/l	96h	Brachydanio rerio
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)

### 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: 2019-02-05.

#### 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.