

Safety Data Sheet

Betvätska

Replaces date: 19/08/2014

Revision date: 07/06/2018
Version: 1.0.0

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

1.1. Product identifier

Trade name: Betvätska

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

Recommended uses: Pickling agent (metal)

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company: Hagmans Nordic AB
Address: Box 112
Zip code: 511 10
City: Fritsla
Country: SWEDEN
E-mail: info@hagmansnordic.com
Phone: +46(0)320-18900
Homepage: www.hagmans.com

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Irrit. 2;H315 Eye Irrit. 2;H319

Most serious harmful effects: Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: phosphoric acid 21.25 %

H-phrases

H315 Causes skin irritation.
H319 Causes serious eye irritation.

P-phrases

P102 Keep out of reach of children.

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P280	Wear protective gloves/eye protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
phosphoric acid ... %	7664-38-2	231-633-2	01-2119485924-24-xxxx	21.25%		Skin Corr. 1B;H314

Please see section 16 for the full text of H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Fresh air if there are symptoms of injury. Keep an eye on the injured person. Get medical attention if any discomfort continues.
Ingestion:	Thoroughly rinse the mouth with water. Drink a few glasses of water or milk. Do not induce vomiting. Contact physician if larger quantity has been consumed.
Skin contact:	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if any discomfort continues.
Eye contact:	Remove contact lenses. Flush immediately with plenty of water, also under the eyelids. Get medical advice if discomfort continues.
General:	By all state of uncertainty, seek medical advice. When obtaining medical advice, show the safety data sheet or label.

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

See section 11

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

Ensure that medical personnel are aware of the material involved, and take precautions to protect themselves. Treat symptoms.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not flammable. Choose extinguishing agents based on the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

Other Information: Containers near fire must be moved and/or cooled with water. Do not allow extinguishing water or spillage to run out into the sewage system. Fire residues and extinguishing water must be disposed of in accordance with local rules.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Use personal protective equipment as specified in section 8.

6.2. Environmental precautions

Do not allow spill to enter sewers or watercourses. Major discharge may have a negative effect in a water environment due to local pH reduction. Inform the emergency service in the event of major spillage. Absorb in an inert material (sand, vermiculite, etc.) and collect into a suitable container. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.3. Methods and material for containment and cleaning up

Flush clean with lots of water. Be aware of potential for surfaces to become slippery.

6.4. Reference to other sections

See section 13 for instructions on disposal.

Other Information: Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Use personal protective equipment as specified in section 8. Facilities for eye rinsing must be available. Do not mix the product with other substances or products without knowledge of whether this is risk-free.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep in original container. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Store above freezing.

7.3. Specific end use(s)

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m3	fiber/cm3	Comments	Remarks
phosphoric acid ... %	8h		1			
phosphoric acid ... %	15m		2			

Other Information: Contains a substance for which there is an occupational exposure risk limit.

8.2. Exposure controls

Appropriate engineering controls: Avoid direct contact. Provide eyewash station.

Personal protective equipment, eye/face protection: Tight-fitting goggles if risk of splashes or direct contact.

Personal protective equipment, skin protection: Protective clothing if necessary.

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Personal protective equipment, hand protection: Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile rubber or PVC.

Personal protective equipment, respiratory protection: Normally not necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid.
Colour	Colourless.
Odour	Odour-free.
Solubility	Solubility in water: Soluble
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	~ 1	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	1100 kg/m ³	

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

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None known.

10.5. Incompatible materials

Strong alkalis.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: May cause smarting in the mouth and throat. May irritate the mucous membranes of the digestive organs.

Acute toxicity - inhalation: Inhalation of aerosol may cause irritation in the upper respiratory tract. Vapours and mist may cause smarting in the nose and throat, and also sneezing and coughing.

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/eye irritation: Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Not expected to bioaccumulate.

12.4. Mobility in soil

Dissolves in water .

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

Discharge into water recipients may lower the pH, which may involve the risk of damage to aquatic organisms.

Other Information

Ecotoxicological data are only available for the components, not for the mixture. Prevent discharges into the sewage system, watercourses or ground.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residues and used product that cannot be reused must be treated as dangerous waste.

Category of waste: EWC code is only a suggestion, final consumer selects a suitable EWC code. 06 01 04* Phosphoric and phosphorous acid. 07 06 99 Waste from detergents - wastes not otherwise specified 20 01 29* Detergents containing dangerous substances.

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.4. Packing group: Not applicable.

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14.2. UN proper shipping name: Not applicable.

14.5. Environmental hazards: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Other Information: Not classified as dangerous goods.

SECTION 15: Regulatory information

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

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	07/06/2018		

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

List of relevant H-statements

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Document language: GB