

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

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

- 1.1. Product identifier** HOLESHOT MAX CLEAN ALKALISK AVFETTNING
Substance / mixture mixture
UFI 0E00-V0K3-000Y-WJJE
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Cleaning agent.
Mixture uses advised against
not available
- 1.3. Details of the supplier of the safety data sheet**
Supplier
Name or trade name HIMAX AB
Address Bussvägen 2, Husum, 896 32
Sweden
Phone +43 76 190 75 13
Email msd@holeshot.se
Web address www.holeshot.se
Competent person responsible for the safety data sheet
Name HIMAX AB
Email msd@holeshot.se
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Skin Corr. 1B, H314

Eye Dam. 1, H318

Most serious adverse effects on human health and the environment

Causes serious eye damage. Causes severe skin burns and eye damage.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

sodium hydroxide

Hazard statements

H314

Causes severe skin burns and eye damage.

Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

P405

Store locked up.

Supplemental information

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

5-<15 % non-ionic surfactants, <5 % phosphonates, <5 % amphoteric surfactants

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68439-54-3 Registration number: polimer	Alcohols, C11-13-branched, ethoxylated	<6	Acute Tox. 4, H302 Eye Dam. 1, H318	
CAS: 6419-19-8 EC: 229-146-5 Registration number: 01-2119487988-08-xxxx	Aminotrimethylene phosphonic acid	<5	Met. Corr. 1, H290 Eye Irrit. 2, H319	
Index: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 Registration number: 01-2119457892-27-XXXX	sodium hydroxide	<4.5	Met. Corr. 1, H290 Skin Corr. 1A, H314 Specific concentration limit: Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Corr. 1A, H314: C ≥ 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 % Skin Irrit. 2, H315: 0.5 % ≤ C < 2 %	
CAS: 1334422-09-1 EC: 931-513-6 Registration number: 01-2119513359-38-XXXX	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts	<3	Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C > 10 % Eye Irrit. 2, H319: 4 % < C ≤ 10 %	

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Rinse skin with water/shower. Rinse cautiously with water for several minutes.

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date	12th January 2026	Version	1.0
---------------	-------------------	---------	-----

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances. Danger of esophageal and gastric perforation! RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 0.2-0.5 l of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

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

If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

Causes severe skin burns.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale aerosols. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up.

Storage temperature min 5 °C, max 35 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Dermal	12.5 mg/kg bw/day		SDS
Workers	Inhalation	44 mg/m ³ /8h		SDS
Consumers	Dermal	7.5 mg/kg bw/day		SDS
Consumers	Oral	7.5 mg/kg bw/day		SDS

Aminotrimethylene phosphonic acid				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	19.4 mg/m ³	Chronic effects local	SDS
Workers	Inhalation	19.4 mg/m ³		SDS
Workers	Dermal	4.8 mg/kg bw/day	Chronic effects local	SDS
Workers	Dermal	4.8 mg/kg bw/day		SDS

sodium hydroxide				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	1.0 mg/m ³	Chronic effects local	SDS
Consumers	Inhalation	1.0 mg/m ³	Chronic effects local	SDS

PNEC

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts		
Route of exposure	Value	Source
Drinking water	0.0135 mg/l	SDS
Marine water	0.00135 mg/l	SDS
Sea sediments	1 mg/kg	SDS
Soil (agricultural)	0.805 mg/kg	SDS

Aminotrimethylene phosphonic acid		
Route of exposure	Value	Source
Drinking water	0.46 mg/l	SDS
Marine water	0.046 mg/l	SDS
Freshwater sediment	150 mg/kg of dry substance	SDS
Sea sediments	15 mg/kg of dry substance	SDS

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

Aminotrimethylene phosphonic acid

Route of exposure	Value	Source
Soil (agricultural)	244 mg/kg of dry substance	SDS
Microorganisms in sewage treatment	20 mg/l	SDS

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection



Protective goggles or face shield (based on the nature of the work performed).

Skin protection



Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Glove material	Thickness	Breakthrough time	Class	Exposure time
Nitrile (NBR)	≥ 0.11 mm	>120 min	4	Long-term, Short-term, Repeated

Respiratory protection

It is not needed. In case of inadequate ventilation wear respiratory protection. Half mask with filter, e.g. 3M 6000 series with ABEK 1 absorber

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	straw
Odour	Characteristic for the materials used
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	14 (undiluted at 20 °C)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date	12th January 2026	Version	1.0
---------------	-------------------	---------	-----

Density	data not available
Relative density	1.070 g/cm ³ (+-) 0.020
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Skin	LD ₅₀	>620 mg/kg		Rat (Rattus norvegicus)	F/M	Based on evidence	SDS
Oral	LD ₅₀	2430 mg/kg		Rat (Rattus norvegicus)	F/M	Based on evidence	SDS

Alcohols, C11-13-branched, ethoxylated

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀	>300-2000 mg/kg		Rat (Rattus norvegicus)		Based on evidence	SDS
Dermal	LD ₅₀	>2000 mg/kg		Rat (Rattus norvegicus)		Based on evidence	SDS

Aminotrimethylene phosphonic acid

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀	2910 mg/kg		Rat (Rattus norvegicus)			SDS
Dermal	LD ₅₀	6310 mg/kg		Rabbit			SDS

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

sodium hydroxide

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Intraperitoneally	LD ₅₀	40 mg/kg		Mouse			SDS
Oral	LDLo	500 mg/kg		Rabbit			SDS
Oral	TDLo	44 mg/kg		Rat (Rattus norvegicus)			SDS

Skin corrosion/irritation

Causes severe skin burns

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Result	Exposure time	Species	Value determination	Source
	Not irritating			Based on evidence	SDS

Alcohols, C11-13-branched, ethoxylated

Route of exposure	Result	Exposure time	Species	Value determination	Source
	Not irritating		Rabbit	Based on evidence	SDS

Aminotrimethylene phosphonic acid

Route of exposure	Result	Exposure time	Species	Value determination	Source
	Slightly irritating				SDS

Serious eye damage/irritation

Causes serious eye damage.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Result	Exposure time	Species	Value determination	Source
	Serious eye damage			Based on evidence	SDS

Alcohols, C11-13-branched, ethoxylated

Route of exposure	Result	Exposure time	Species	Value determination	Source
	Irritating, Serious eye damage		Rabbit	Based on evidence	SDS

Aminotrimethylene phosphonic acid

Route of exposure	Result	Exposure time	Species	Value determination	Source
	Irritating				SDS

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Alcohols, C11-13-branched, ethoxylated

Route of exposure	Result	Exposure time	Species	Sex	Value determination	Source
	No effect		Guinea-pig (Cavia aperea f. porcellus)		Based on evidence	SDS

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

Sensitization

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts							
Route of exposure	Result	Method	Exposure time	Species	Sex	Value determination	Source
Skin	No effect	OECD 406		Guinea-pig (Cavia aperea f. porcellus)		Based on evidence	SDS

Germ cell mutagenicity

Based on available data the classification criteria are not met.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts							
Result	Method	Exposure time	Specific target organ	Species	Sex	Value determination	Source
Negative	OECD 471					Based on evidence	SDS
Negative	OECD 476					Based on evidence	SDS
Negative	OECD 474					Based on evidence	SDS

Alcohols, C11-13-branched, ethoxylated

Result	Method	Exposure time	Specific target organ	Species	Sex	Value determination	Source
No effect						Based on evidence	SDS

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

SECTION 12: Ecological information

12.1. Toxicity

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

Acute toxicity

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀	OECD 202	1.9 mg/l	48 hours	Daphnia (Daphnia magna)		Based on evidence	SDS
ErC ₅₀		2.4 mg/kg	72 hours	Algae and other aquatic plants		Indicator of growth	SDS
ErC ₅₀		7 mg/l	72 hours	Daphnia (Daphnia magna)		Indicator of growth	SDS
LC ₅₀	OECD 203	1.11 mg/l	96 hours	Fish (Oncorhynchus mykiss)			SDS

Alcohols, C11-13-branched, ethoxylated

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC ₅₀	OECD 203	>1-10 mg/kg	96 hours	Fish (Oncorhynchus mykiss)		Based on evidence	SDS
EC ₅₀	OECD 202	>1-10 mg/l	48 hours	Daphnia (Daphnia magna)		Based on evidence	SDS
EC ₅₀	OECD 201	>1-10 mg/l	72 hours	Algae (Desmodesmus subspicatus)		Based on evidence	SDS

Aminotrimethylene phosphonic acid

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀		297 mg/l	48 hours	Daphnia (Daphnia magna)			SDS
NOEC		≥25 mg/l	28 days	Daphnia (Daphnia magna)			SDS
LC ₅₀	OECD 203	8132 mg/l	96 hours	Fish			SDS
LC ₅₀	OECD 203	1212 mg/l	96 hours	Fish			SDS
LC ₅₀		160 mg/l	96 hours				SDS
LC ₅₀		23 mg/l	60 days				SDS
EC ₅₀		94 mg/l	48 hours				SDS
NOEC		95 mg/l	96 hours				SDS

sodium hydroxide

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀		40.4 mg/l	48 hours	Aquatic invertebrates (Ceriodaphnia dubia)			SDS

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date 12th January 2026 Version 1.0

sodium hydroxide

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀		22 mg/l	15 minutes	Microorganisms (Photobacterium phosphoreum)			SDS

Chronic toxicity

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC ₅₀		3000 mg/l	16 hours	Bacteria (Salmonella typhimurium)		Based on evidence	SDS
NOEC	OECD 211	0.3 mg/l	21 days	Daphnia (Daphnia magna)		Based on evidence	SDS
NOEC	OECD 210	0.135 mg/l	100 days	Fish (Oncorhynchus mykiss)		Based on evidence	SDS
NOECr		0.6 mg/l	72 hours	Algae and other aquatic plants		Based on evidence	SDS

12.2. Persistence and degradability

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

Biodegradability

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Exposure time	Environment	Value determination	Result	Source
		95 %	28 days		Based on evidence	Easily biodegradable	SDS
		80-90 %	60 days		Based on evidence	Easily biodegradable	SDS
	OECD 306	75 %	28 days		Based on evidence	Easily biodegradable	SDS

Alcohols, C11-13-branched, ethoxylated

Parameter	Method	Value	Exposure time	Environment	Value determination	Result	Source
	OECD 301A	>70 %	28 days		Based on evidence	Easily biodegradable	SDS
	OECD 301B	>60 %	28 days		Based on evidence	Easily biodegradable	SDS

Aminotrimethylene phosphonic acid

Parameter	Method	Value	Exposure time	Environment	Value determination	Result	Source
	OECD 301D	22-23 %	28 days			Hardly biodegradable	SDS
EC ₀		200 mg/l	30 minutes				SDS

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date	12th January 2026	Version	1.0
---------------	-------------------	---------	-----

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 06 04* other organic solvents, washing liquids and mother liquors

Packaging waste type code

15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1719

14.2. UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)

14.3. Transport hazard class(es)

8 Corrosive substances

14.4. Packing group

III

14.5. Environmental hazards

No

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

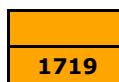
Creation date 12th January 2026 Version 1.0

Additional information

Hazard identification No.

UN number

Safety signs



8



Tunnel restriction code

(E)

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.

Sodium hydroxide: the manufacturer has performed a chemical safety assessment

Aminotrimethylene phosphonic acid: the manufacturer has not performed a chemical safety assessment

Alcohols, C11-13-branched, ethoxylated: A Chemical Safety Assessment has not been carried out.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-(C12-18) acyl derivatives, hydroxides, inner salts, water solution: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P405	Store locked up.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
BCF	Bioconcentration Factor

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

HOLESHOT MAX CLEAN ALKALISK AVFETTNING

Creation date	12th January 2026	Version	1.0
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CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₀	Concentration of a substance when it is affected 0 % of the population
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
Met. Corr.	Corrosive to metals
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

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The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.