

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MENNO-HORTISEPTCLEAN PLUS

Revision date: 06.03.2020

Product code: 5096-GHSneu

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

1.1. Product identifier

MENNO-HORTISEPTCLEAN PLUS

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

Use of the substance/mixture

Cleaning agent, liquid, alkaline, Foaming agent
For professional users only.

1.3. Details of the supplier of the safety data sheet

Company name:	MENNO CHEMIE-VERTRIEB GMBH	
Street:	Langer Kamp 104	
Place:	D-22850 Norderstedt	
Telephone:	+49(0)40/5290667-0	Telefax: +49(0)40/5290667-66
e-mail:	info@menno.de	
Contact person:	Jan Nevermann	
e-mail:	info@menno.de	
Internet:	www.menno.de	
Responsible Department:	Menno Chemie-Vertrieb GmbH	

1.4. Emergency telephone number:

Giftinformationszentrum Nord Universität Göttingen, giznord@giz-nord.de
Tel.: +49(0)551/ 1 92 40

Further Information

The statements made in relation to the physical-chemical properties are not suited for the formulation of specifications.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Skin corrosion/irritation: Skin Corr. 1A
Serious eye damage/eye irritation: Eye Dam. 1
Hazard Statements:
Causes severe skin burns and eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

sodium hydroxide; caustic soda
Sodiumoctylsulfate
1-Propanaminium,3-amino-N-(carboxymethyl)-N,N dimethyl-,N-C8-18 acyl derivs.,hydroxides, inner salts

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe Mist/Vapour/aerosol.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P363 Wash contaminated clothing before reuse.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310 Immediately call a POISON CENTER/doctor.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P405 Store locked up.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1310-73-2	Sodium hydroxide; caustic soda			10 - < 15 %
	215-185-5	011-002-00-6		
	Met. Corr. 1, Skin Corr. 1A; H290 H314			
15763-76-5	Sodium-p-cumulenesulphonate			1 - < 5 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; H319			
61788-90-7	Cocodimethylamineoxide			1 - < 5 %
	263-016-9			
	Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1; H315 H318 H400			

Full text of H and EUH statements: see section 16.

Further Information

Ingredients according to Detergent Directive 648/2004 EG:

<5 % Anionic detergent

<5 % Phosphonates

<5 % Polycarboxylates

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider needs to protect himself. Take off all contaminated clothing immediately.

After inhalation

Move the victim to fresh air. Call a physician if irritation develops or persists.

After contact with skin

Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician immediately. If conscious, drink plenty of water. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision. If a person vomits when lying on his back, place him in the

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recovery position.

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

See also section 2

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

Treat symptomatically. If ingested, irrigate the stomach.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

High volume water jet

5.2. Special hazards arising from the substance or mixture

The product is not flammable. Vapours may form explosive mixtures with air. @N05.002050

5.3. Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus.

Additional information

Keep containers and surroundings cool with water spray. Suppress (knock down) gases/vapours/mists with a water spray jet. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Use neutralizing agents. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

see chapter 7. Handling and storage

For personal protection see section 8.

see chapter 13. Disposal considerations After cleaning, flush away traces with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation. Avoid breathing vapours, mist or gas. Keep container tightly closed. Handle and open container with care. Do not spray on a naked flame or any incandescent material.

Advice on protection against fire and explosion

@N07.00

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed. Provide adequate ventilation.

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Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep at temperatures below 40 °C.

7.3. Specific end use(s)

See also section 1

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL

Additional advice on limit values

Contains no ingredient listed as a carcinogen

8.2. Exposure controls



Appropriate engineering controls

Use only in area provided with appropriate exhaust ventilation. Avoid breathing vapours, mist or gas. Occupational exposure controls

Protective and hygiene measures

Take off contaminated clothing and shoes immediately. Preventive skin protection. Wash hands and face before breaks and immediately after handling the product. When using do not eat or drink. Handle in accordance with good industrial hygiene and safety practice.

Eye/face protection

Tightly fitting safety goggles.

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Impervious gloves, Product of: Nitrile rubber

Short term : (CR) Poly-Chloroprene

Unsuitable material : NR (Natural Rubber) , PVC (Polyvinylchloride)

Skin protection

Long sleeved clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	red
Odour:	mild

Test method

pH-Value (at 20 °C):

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Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	> 60 °C DIN 51755

Flammability

Solid:	not applicable
Gas:	not applicable
Lower explosion limits:	Not applicable.
Upper explosion limits:	Not applicable.

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined

Oxidizing properties

The product has been shown not to be oxidising in a test following Directive 67/548/EEC (Method A17, oxidising properties).

Vapour pressure: (at 20 °C)	approx. 23 hPa calcul.
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Density (at 20 °C):	1,2 g/cm ³
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Water solubility:	soluble
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Solubility in other solvents

not determined

Partition coefficient:	not determined
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Vapour density:	not determined
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Evaporation rate:	not determined
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9.2. Other information

Solid content:	10,00 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable.

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Exothermic reaction with acids. Peroxides, Oxidizing agents. None reasonably foreseeable.

10.4. Conditions to avoid

Strong sunlight for prolonged periods.

10.5. Incompatible materials

Acids. Oxidizing agents. Peroxides. Strong acids and oxidizing agents

10.6. Hazardous decomposition products

None reasonably foreseeable.

Further information

Dissolves aluminium and zinc slowly with formation of hydrogen. Korrosion;
Contact with metals liberates hydrogen gas.
Exothermic reaction with strong acids.

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SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
15763-76-5	Sodium-p-cumulenesulphonate				
	oral	LD50 >2000 mg/kg	rat	OECD 401	
61788-90-7	Cocodimethylamineoxide				
	oral	LD50 >2000 mg/kg	rat	OECD 401	

Irritation and corrosivity

Causes severe skin burns and eye damage.

Acute dermal irritation/corrosion : corrosive effects

Acute eye irritation/corrosion : Extremely corrosive and destructive to tissue. ; Corneal opacity ; May cause blindness.

Sensitising effects

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

No sensitisation responses were observed.

Carcinogenic/mutagenic/toxic effects for reproduction

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

Contains no ingredient listed as a carcinogen

Contains no ingredient listed as a mutagen

Contains no ingredient listed as toxic to reproduction

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.

Additional information on tests

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008. Handle in accordance with good industrial hygiene and safety practice. Other dangerous properties can not be excluded.

SECTION 12: Ecological information**12.1. Toxicity**

Ecological injuries are not known or expected under normal use.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1310-73-2	Sodium hydroxide; caustic soda					
	Acute fish toxicity	LC50	45,4 mg/l	96 h	Onchorhynchus mykiss	
15763-76-5	Sodium-p-cumulenesulphonate					
	Acute fish toxicity	LC50	>100 mg/l	96 h	Cyprinus carpio	OECD 203
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Daphnia magna	OECD 202
61788-90-7	Cocodimethylamineoxide					
	Acute fish toxicity	LC50	10-100 mg/l	96 h	Danio rerio	
	Acute algae toxicity	ErC50	0,11 mg/l	96 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	4,4 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

No data is available on the product itself. Expected to be ultimately biodegradable

12.3. Bioaccumulative potential

no data available

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

None known.

Further information

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

The product should not be allowed to enter drains, water courses or the soil. Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Rinse empty containers with water and use the rinse-water to prepare the working solution.

Waste disposal number of waste from residues/unused products

020108 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING; wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing; agrochemical waste containing hazardous substances; hazardous waste

Waste disposal number of used product

020108 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING; wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing; agrochemical waste containing hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

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Contaminated packaging

Rinse empty containers with water and use the rinse-water to prepare the working solution.
 Recycling of packaging materials (dual system).
 Can be landfilled or incinerated, when in compliance with local regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide solution,)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C5
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 80
 Tunnel restriction code: E

Marine transport (IMDG)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide, Solution)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Marine pollutant: NO
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-A, S-B

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: corrosive. See also section 2

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

Not applicable.

SECTION 15: Regulatory information

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

National regulatory information

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Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - clearly water contaminating

Additional information

Reinigungsmittel sicher verwenden.

Read instructions before using.

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15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 3,4,5,6,7,8,10,11,13,14.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)