

SAFETY DATA SHEET

Steamclean HPC-NF

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

1.1. Product identifier

Trade name

Steamclean HPC-NF

- 1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture
 - No special
 - Uses advised against
 - No special

1.3. Details of the supplier of the safety data sheet

Company and address

Vecom Marine B.V. Mozartlaan 3

3144 NA Maassluis The Netherlands +31 (0) 10-5930210

https://vecom-marine.com Contact person

Vecom Marine B.V.

E-mail

sales@vecom-marine.com Revision 11/04/2022

SDS Version

2.0

Date of previous version

11/04/2022 (2.0)

1.4. Emergency telephone number

National Poisons Information Centre (NVIC): +31 (0)88-755-8000 (24 hour service) Only intended to inform professional emergency services in case of acute poisoning. See section 4 on first aid measures.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage. Eye Dam. 1; H318, Causes serious eye damage. Carc. 2; H351, Suspected of causing cancer.

carc. 2, H551, Suspected of Causing cance

2.2. Label elements



Signal word Danger Hazard statement(s)



Causes severe skin burns and eye damage. (H314) Suspected of causing cancer. (H351)

Safety statement(s)

General

Prevention

Wear eye protection/protective gloves/protective clothing. (P280)

Do not breathe vapour/mist. (P260)

Obtain special instructions before use. (P201)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

Isotridecanol, ethoxylated (Imbentin T080/90)

sodium hydroxide;caustic soda

Acetic acid, nitrilotri-, trisodium salt, monohydrate

2.3. Other hazards

Additional labelling

Not applicable

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Isotridecanol, ethoxylated (Imbentin T080/90)	CAS No.: 9043-30-5 EC No.: 500-027-2 REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	
sodium hydroxide;caustic soda EC No.: 1310-73-2 EC No.: 215-185-5 REACH: 01-2119457892-27- XXXX Index No.: 011-002-00-6		1-3%	Met. Corr. 1, H290 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Corr. 1A, H314 Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Dam. 1, H318 Eye Irrit. 2, H319 (SCL: 0.50 %)	
Silicic acid, sodium salt	CAS No.: 1344-09-8 EC No.: 215-687-4 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	



Acetic acid, nitrilotri-, trisodium salt, monohydrate	CAS No.: 18662-53-8 EC No.: 606-091-9 REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Irrit. 2, H319 Carc. 2, H351	
Diphenyl ether	CAS No.: 101-84-8 EC No.: 202-981-2 REACH: Index No.:	<0.01%	Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available. Other information

[1] European occupational exposure limit

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.



SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Some metal oxides.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Dry, cool and well ventilated

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Diphenyl ether Short term exposure limit (15 minutes) (mg/m³): 14



Long term exposure limit (8 hours) (mg/m³): 7

Annex XIII of the Working Conditions Regulation, List of legal limit values.

DNEL

Product/substance	sodium hydroxide;caustic soda
DNEL	1.0 mg/m2
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	sodium hydroxide;caustic soda
DNEL	1.0 mg/m3
Route of exposure	Inhalation
Duration	Long term – Local effects - General population
Product/substance	Silicic acid, sodium salt
DNEL	5.61 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	Silicic acid, sodium salt
DNEL	1.59 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	Silicic acid, sodium salt
DNEL	0.8 mg/kg
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	Silicic acid, sodium salt
DNEL	1.38 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	Silicic acid, sodium salt
DNEL	0.8 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
DNEL	9.6 mg/m3
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
DNEL	3.2 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
DNEL	2.4 mg/m3
Route of exposure	Inhalation



	Duration	Short term – Systemic effects - General population
	Product/substance DNEL Route of exposure	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.9 mg/kg Oral
	Duration	Short term – Systemic effects - General population
	Product/substance DNEL Route of exposure Duration	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.8 mg/m3 Inhalation Long term – Systemic effects - General population
	Product/substance DNEL Route of exposure	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.3 mg/kg Oral
	Duration	Long term – Systemic effects - General population
PNEC		
	Product/substance PNEC	Silicic acid, sodium salt 7.5 mg/L
	Route of exposure Duration of Exposure	Freshwater
	Product/substance PNEC	Silicic acid, sodium salt 1 mg/L
	Route of exposure Duration of Exposure	Marine water
	Product/substance	Silicic acid, sodium salt
	PNEC Route of exposure Duration of Exposure	7.5 mg/L Intermittent release
	Product/substance PNEC	Silicic acid, sodium salt 348 mg/L
	Route of exposure Duration of Exposure	Sewage treatment plant
	Product/substance PNEC	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.93 mg/l
	Route of exposure Duration of Exposure	Freshwater
	Product/substance PNEC	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.093 mg/l
	Route of exposure Duration of Exposure	Marine water
	Product/substance PNEC	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.8 mg/l
	Route of exposure	Intermittent release



Duration of Exposure

Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
PNEC	270 mg/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis. General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Wash contaminated clothing before reuse.

Use only CE marked protective equipment.

Respiratory Equipment

Туре	Class	Colour	Standards
No special when used as			
intended.			

Skin protection

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	R

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388	

Eye protection



Standards

Туре	
.)[
Waar safaty alassas	•

Wear safety glasses with EN166 side shields.



SECTION 9: Physical and chemical properties

```
9.1. Information on basic physical and chemical properties
   Physical state
      Liquid
   Colour
      Pale yellow
   Odour / Odour threshold
      Faint
   pН
      13
   Density (g/cm<sup>3</sup>)
      1.06 (20 °C)
   Relative density
      1.06 (20 °C)
   Kinematic viscosity
      Testing not relevant or not possible due to nature of the product.
   Particle characteristics
      Does not apply to liquids.
Phase changes
   Melting point/Freezing point (°C)
      Testing not relevant or not possible due to nature of the product.
   Softening point/range (waxes and pastes) (°C)
      Does not apply to liquids.
   Boiling point (°C)
      Testing not relevant or not possible due to nature of the product.
   Vapour pressure
      Testing not relevant or not possible due to nature of the product.
   Relative vapour density
      Testing not relevant or not possible due to nature of the product.
   Decomposition temperature (°C)
      Testing not relevant or not possible due to nature of the product.
Data on fire and explosion hazards
   Flash point (°C)
      Testing not relevant or not possible due to nature of the product.
   Ignition (°C)
      Testing not relevant or not possible due to nature of the product.
   Auto flammability (°C)
      Testing not relevant or not possible due to nature of the product.
   Lower and upper explosion limit (% v/v)
      Testing not relevant or not possible due to nature of the product.
Solubility
   Solubility in water
      Soluble
   n-octanol/water coefficient
      Testing not relevant or not possible due to nature of the product.
   Solubility in fat (g/L)
      Testing not relevant or not possible due to nature of the product.
9.2. Other information
```



Other physical and chemical parameters No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

- 10.3. Possibility of hazardous reactions
 - No special
- 10.4. Conditions to avoid

No special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity

Product/substance Test method Species Route of exposure Test Result Other information	Silicic acid, sodium salt Rat Oral LD50 3400 mg/kg
Product/substance Test method Species Route of exposure Test Result Other information	Silicic acid, sodium salt Rat Dermal LD50 >5000 mg/kg
Product/substance Test method Species Route of exposure Test Result Other information	Silicic acid, sodium salt Rat Inhalation LC50 >2.06 g/m3
Product/substance Test method Species Route of exposure Test Result Other information	Acetic acid, nitrilotri-, trisodium salt, monohydrate Rat Inhalation LC50 (4 hours) 2 - 5 mg/L



	Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
	Test method	Rabbit
	Species	Dermal
	Route of exposure	LD50
	Test Result	
	Other information	>10000 mg/kg
	Other Information	
	Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
	Test method	
	Species	Rat
	Route of exposure	Oral
	Test	LD50
	Result	1300 - 1600 mg/kg
	Other information	
c	Skin corrosion/irritatior	
2		burns and eye damage.
c	Serious eye damage/irr	
2	Causes serious eye	
D	Respiratory sensitisatio	•
P		data, the classification criteria are not met.
c	Skin sensitisation	
J		data, the classification criteria are not met.
C	Germ cell mutagenicity	
		data, the classification criteria are not met.
C	Carcinogenicity	
	Suspected of causin	n cancer
R	Reproductive toxicity	
		data, the classification criteria are not met.
S	STOT-single exposure	
5		data, the classification criteria are not met.
S	STOT-repeated exposu	
5		data, the classification criteria are not met.
Δ	Aspiration hazard	
		data, the classification criteria are not met.
11 2	2. Information on other	
	ong term effects	
	-	: This product contains substances considered or proven to be carcinogenic. The carcinogenic
		ered subsequent to exposure through inhalation, skin contact or ingestion.
		is product contains substances, which may cause irritation upon exposure to skin, eyes or
		y result in an increased absorption potential of other hazardous substances at the area of
		y result in an increased absorption potential of other hazardous substances at the area of
-	exposure. Endocrine disrupting pl	roperties
	No special	operaes
<i>с</i>	Other information	
C	No special	

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance sodium hydroxide;caustic soda Test method



Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	35 - 189 mg/L
Other information	
Product/substance	sodium hydroxide;caustic soda
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	40.4 mg/L
Other information	
Product/substance	Silicic acid, sodium salt
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1108 mg/L
Other information	rice mg/L
Product/substance	Silicic acid, sodium salt
Test method	
Species	Daphnia
Compartment	Daphina
Duration	48 hours
Test	EC50
Result	1700 mg/L
Other information	1, 00 mg/2
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	103 mg/L
Other information	
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	560 mg/L
Other information	
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate



Test method Species Compartment Duration Test Result Other information	Algae 72 hours EC50 >91.5 mg/L
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species Compartment	Algae
Duration	72 hours
Test	NOEC
Result Other information	1.43 mg/L

12.2. Persistence and degradability

Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Biodegradable	Yes
Test method	
Result	

12.3. Bioaccumulative potential

- No data available
- 12.4. Mobility in soil
- No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

- 12.6. Endocrine disrupting properties
 - No special
- 12.7. Other adverse effects
 - No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. HP 7 – Carcinogenic HP 8 – Corrosive Dispose of contents/container to an approved waste disposal plant. Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

Not applicable

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.

- 14.6. Special precautions for user
 - Not applicable
- 14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

Not applicable

Additional information

Not applicable

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Working Conditions Act 1998 and latest Working Conditions Decree of 01-01-2021.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on

classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

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.

H335, May cause respiratory irritation.

H351, Suspected of causing cancer.

H400, Very toxic to aquatic life.

H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms



ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CE = Conformité Européenne CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative Additional information The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the

pH-criterion given by Regulation (EC) No. 1272/2008 (CLP).

▼ The safety data sheet is validated by RK

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NL-en