		Page: 1
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

### 1.1 Product identifier

Trade name : HTH SPA NETTOYANT FILTRE

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

Use of the Substance/Mixture : Detergent


<p><b>1.3 Details of the supplier of the safety data sheet</b>          Innovative Water Care Europe SAS          Z.I. LA BOITARDIERE BP 219          37400 Amboise          France</p> <p>Innovative Water Care Ltd          Cleckheaton Road - Low Moor          Esholt - Bradford          BD12 0JZ          United Kingdom</p> <p><b>E-mail address of person responsible for the SDS:</b>          EHSProductSafetyTeam@solenis.com</p> <p><b>Product Information</b>          Innovative Water Care Europe: +33 (0)2 47 23 43 00, Innovative Water Care Ltd: +44 (0) 1274 417776</p>	<p><b>1.4 Emergency telephone number</b>          Europe: NCEC +44 (0)1235 239 670, Africa, and Middle East: NCEC +44 (0)1235 239 671 , or contact your local emergency telephone number at 112</p>
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Corrosive to metals, Category 1	H290: May be corrosive to metals.
Skin corrosion, Category 1	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.

		Page: 2
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

Specific target organ toxicity - single exposure, Category 3, Respiratory system

H335: May cause respiratory irritation.

## 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

### Prevention:

P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

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.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.


### Storage:

P405 Store locked up.

### Disposal:

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

Hazardous components which must be listed on the label:  
hydrochloric acid

 Strong bonds. Trusted solutions.		Page: 3
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

phosphoric acid  
C10-guerbet alcohol ethoxylate (>5-10EO)

### 2.3 Other hazards


This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
hydrochloric acid	7647-01-0 231-595-7	Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system)  specific concentration limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 10 - < 25 % Eye Irrit. 2; H319 10 - < 25 % STOT SE 3; H335 >= 10 % Met. Corr. 1 >= 0,1 %	>= 15 - < 20
phosphoric acid	7664-38-2 231-633-2	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318  specific concentration limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 10 - < 25 % Eye Irrit. 2; H319 10 - < 25 %	>= 10 - < 15
C10-guerbet alcohol ethoxylate (>5-10EO)	160875-66-1	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 3 - < 5
Substances with a workplace exposure limit :			
Dipropylene glycol	34590-94-8		>= 2,5 - < 5

		Page: 4
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

monomethyl ether	252-104-2		
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For explanation of abbreviations see section 16.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If breathed in, move person into fresh air.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
Wash contaminated clothing before re-use.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.
- If swallowed : Get medical attention immediately.  
Do NOT induce vomiting.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Symptoms : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:  
stomach or intestinal upset (nausea, vomiting, diarrhea)  
irritation (nose, throat, airways)  
Nose bleeding  
choking  
chest pain  
lung edema (fluid buildup in the lung tissue)
- Risks : Causes serious eye damage.  
May cause respiratory irritation.  
Causes severe burns.

		Page: 5
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

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

Treatment : No hazards which require special first aid measures.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : acid vapors  
Hydrogen  
Hydrogen chloride gas  
Oxides of phosphorus  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Hydrocarbons

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.


Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
Comply with all applicable federal, state, and local regulations.

		Page: 6
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

## 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
When diluting, always add the product to water. Never add water to the product.  
Container hazardous when empty.  
Avoid contact with skin and eyes.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. Ensure that eyewash stations and safety showers are close to the workstation location. When using do not smoke.


### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

		Page: 7
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

## SECTION 8: Exposure controls/personal protection


### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
hydrochloric acid	7647-01-0	TWA (Gas and aerosol mists)	1 ppm 2 mg/m <sup>3</sup>	GB EH40
		STEL (Gas and aerosol mists)	5 ppm 8 mg/m <sup>3</sup>	GB EH40
		TWA	5 ppm 8 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
		STEL	10 ppm 15 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
phosphoric acid	7664-38-2	TWA	1 mg/m <sup>3</sup>	GB EH40
		STEL	2 mg/m <sup>3</sup>	GB EH40
		TWA	1 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
		STEL	2 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
Dipropylene glycol monomethyl ether	34590-94-8	TWA	50 ppm 308 mg/m <sup>3</sup>	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.			
		TWA	50 ppm 308 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
hydrochloric acid	Workers	Inhalation	Long-term local effects	8 mg/m <sup>3</sup>
Remarks:	respiratory tract irritation			
	Workers	Inhalation	Local, short-term	15 mg/m <sup>3</sup>
Remarks:	respiratory tract irritation			
Dipropylene glycol monomethyl ether	Workers	Inhalation	Long-term systemic effects	310 mg/m <sup>3</sup>
Remarks:	Repeated dose toxicity			
	Workers	Dermal	Long-term systemic effects	65 mg/kg
Remarks:	Repeated dose toxicity			
	General population	Inhalation	Long-term systemic effects	37,2 mg/m <sup>3</sup>
Remarks:	Repeated dose toxicity			

		Page: 8
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

	General population	Dermal	Long-term systemic effects	15 mg/kg
Remarks:	Repeated dose toxicity			
	General population	Oral	Long-term systemic effects	1,67 mg/kg
Remarks:	Repeated dose toxicity			

## 8.2 Exposure controls

### Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.  
Maintain eye wash station in immediate work area.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:  
Impervious clothing  
Chemical resistant apron  
Safety shoes  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Wear resistant gloves (consult your safety equipment supplier).  
Discard gloves that show tears, pinholes, or signs of wear.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : violet


Odour : slight chlorine

Odour Threshold : No data available

pH : < 0

Melting point/freezing point : No data available

Boiling point/boiling range : 85 °C

		Page: 9
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : 20 hPa (20 °C)

Relative vapour density : No data available

Relative density : No data available

Density : 1,172 g/cm<sup>3</sup>

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

## 9.2 Other information

Self-ignition : No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity


No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Product will not undergo hazardous polymerization.

		Page: 10
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

#### 10.4 Conditions to avoid

Conditions to avoid : excessive heat  
Do not allow evaporation to dryness.  
Heat, flames and sparks.  
Exposure to air.  
Exposure to sunlight.  
Exposure to moisture

#### 10.5 Incompatible materials

Materials to avoid : Acids  
Alkaline earth metals  
Amines  
Bases  
carbonates  
Cyanides  
Fluorine  
Metals  
metallic oxides  
nitromethane  
salts of strong bases  
strong bases  
Strong oxidizing agents  
strong reducing agents  
Sulphides  
sulphites

#### 10.6 Hazardous decomposition products

Hazardous decomposition products : acid vapors  
Hydrogen  
Hydrogen chloride gas  
Oxides of phosphorus  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Hydrocarbons  
Aldehydes  
Ketones

---

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects


##### Acute toxicity

Not classified based on available information.

##### Components:

##### hydrochloric acid:

Acute oral toxicity : LD50 (Rat, female): 238 - 277 mg/kg  
Assessment: Not classified as acutely toxic by ingestion under

		Page: 11
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

GHS.

LD50 (Rabbit): 900 mg/kg

Acute inhalation toxicity : LC50: 7.521 mg/m<sup>3</sup>, 4701 ppm  
 Exposure time: 30 min  
 Test atmosphere: gas  
 Remarks: Corrosive to respiratory system.

**phosphoric acid:**

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 4.

Acute inhalation toxicity : Remarks: Corrosive to respiratory system.

Acute dermal toxicity : LD50 (Rabbit): 2.740 mg/kg

**C10-guerbet alcohol ethoxylate (>5-10EO):**

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 4.

**Dipropylene glycol monomethyl ether:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
 Method: OECD Test Guideline 401

Acute inhalation toxicity : LC 50 (Rat, female): > 275 ppm  
 Exposure time: 7 h  
 Test atmosphere: vapour  
 Method: OECD Test Guideline 403  
 Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

**Skin corrosion/irritation**

Causes severe burns.

**Product:**

Remarks : Causes severe skin burns and eye damage.

**Components:**

**hydrochloric acid:**


Result : Causes burns.

**phosphoric acid:**

Result : Causes burns.

**Dipropylene glycol monomethyl ether:**

Result : Not irritating to skin

		Page: 12
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

**Components:**

**hydrochloric acid:**

Result : Corrosive to eyes

**phosphoric acid:**

Result : Corrosive to eyes

**C10-guerbet alcohol ethoxylate (>5-10EO):**

Result : Corrosive to eyes

**Dipropylene glycol monomethyl ether:**

Result : Mildly irritating to eyes

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

May cause respiratory irritation.


**Components:**

**hydrochloric acid:**

Exposure routes : Inhalation  
 Target Organs : Lungs, Respiratory system  
 Assessment : May cause respiratory irritation.

**STOT - repeated exposure**

Not classified based on available information.

		Page: 13
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

Remarks : No data available

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Components:**

**Dipropylene glycol monomethyl ether:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 10.000 mg/l  
 Exposure time: 96 h  
 Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC 50 (Daphnia magna (Water flea)): 1.919 mg/l  
 Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 969 mg/l  
 Exposure time: 72 h  
 Test Type: Growth inhibition

**12.2 Persistence and degradability**

**Components:**

**hydrochloric acid:**

Biodegradability : Remarks: Not applicable


Physico-chemical removability : Remarks: Not applicable

**Dipropylene glycol monomethyl ether:**

Biodegradability : Biodegradation: 75 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301F

Chemical Oxygen Demand (COD) : 2,02 mg/g

ThOD : 2,06 mg/g

		Page: 14
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

### 12.3 Bioaccumulative potential

#### Components:

##### hydrochloric acid:

Bioaccumulation : Remarks: Not applicable

##### C10-guerbet alcohol ethoxylate (>5-10EO):

Partition coefficient: n-octanol/water : Remarks: No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### Components:

##### hydrochloric acid:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

### 12.6 Other adverse effects

#### Product:

Additional ecological information : No data available


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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste

		Page: 15
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

handling site for recycling or disposal.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

**ADR:** UN1760

**ADN:** UN1760

**RID:** UN1760

**IMDG-Code:** UN1760

**IATA-DGR:** UN1760

### 14.2 UN proper shipping name

**ADR:** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID)

**ADN:** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID)

**RID:** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID)

**IMDG-Code:** CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID)

**IATA-DGR:** Corrosive liquid, n.o.s. (PHOSPHORIC ACID, HYDROCHLORIC ACID)

### 14.3 Transport hazard class(es)

**ADR:** 8

**ADN:** 8

**RID:** 8

**IMDG-Code:** 8

**IATA-DGR:** 8

### 14.4 Packing group

**ADR:** II

**ADN:** II

**RID:** II

**IMDG-Code:** II

**IATA-DGR:** II

### 14.5 Environmental hazards

**ADR:** Not applicable


**ADN:** Not applicable

**RID:** Not applicable

**IMDG-Code:** Not applicable

**IATA-DGR:** Not applicable

### 14.6 Special precautions for user

		Page: 16
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

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### SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation : Not applicable

Control of Major Accident Hazards Regulations 2015 (COMAH) : Not applicable

#### The components of this product are reported in the following inventories:


TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

AICC : All components are listed on the inventory, regulatory obligations/restrictions apply

DSL : This product contains one or more components that are not on the Canadian DSL and have annual quantity limits.

ENCS : On the inventory, or in compliance with the inventory

		Page: 17
<b>SAFETY DATA SHEET</b>		Revision Date: 23.05.2024
		Print Date: 06.05.2026
		SDS Number: R1600024
HTH SPA NETTOYANT FILTRE		Version: 2.0
218939		

- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

## 15.2 Chemical safety assessment

No data available

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## SECTION 16: Other information

### Further information

Revision Date: 23.05.2024

#### Classification of the mixture:

Met. Corr. 1 H290  
 Skin Corr. 1 H314  
 Eye Dam. 1 H318  
 STOT SE 3 H335

#### Classification procedure:

Calculation method  
 Based on product data or assessment  
 Based on product data or assessment  
 Calculation method


### Full text of H-Statements

H290 : May be corrosive to metals.  
 H302 : Harmful if swallowed.  
 H314 : Causes severe skin burns and eye damage.  
 H318 : Causes serious eye damage.  
 H335 : May cause respiratory irritation.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
 Eye Dam. : Serious eye damage  
 Met. Corr. : Corrosive to metals  
 Skin Corr. : Skin corrosion  
 STOT SE : Specific target organ toxicity - single exposure  
 2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
 GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
 2000/39/EC / TWA : Limit Value - eight hours  
 2000/39/EC / STEL : Short term exposure limit  
 GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
 GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response;

	Page: 18
<b>SAFETY DATA SHEET</b>	Revision Date: 23.05.2024
	Print Date: 06.05.2026
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HTH SPA NETTOYANT FILTRE  218939	Version: 2.0

EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### Sources of key data used to compile the Safety Data Sheet

Key literature references and sources of data

SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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