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Conforms to EU Regulation 1907/2006/EC as amended.

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

1.1 Product identifier

Trade name : HTH SPA NETTOYANT

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

Use of the Substance/Mixture : Detergent

<p>1.3 Details of the supplier of the safety data sheet Innovative Water Care Europe Z.I. LA BOITARDIERE BP 219 37402 Amboise Cedex France</p> <p>Innovative Water Care Ltd The Studios - Colorado Way Castleford - West Yorkshire WF10 4TA United Kingdom</p> <p>E-mail address of person responsible for the SDS: EHSPRODUCTSAFETYTEAM@solenis.com</p> <p>Product Information Innovative Water Care Europe: +33 (0)2 47 23 43 00, Innovative Water Care Ltd: +44 (0) 1924 792909</p>	<p>1.4 Emergency telephone number 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)

Corrosive to metals, Category 1


H290: May be corrosive to metals.

Acute toxicity, Category 4

H302: Harmful if swallowed.

Skin corrosion, Category 1

H314: Causes severe skin burns and eye damage.

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Serious eye damage, Category 1

H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

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:

P264 Wash hands thoroughly after handling.
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.
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.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.


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:
phosphoric acid

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Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.


Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
phosphoric acid	7664-38-2 231-633-2 01-2119485924-24-xxxx	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 %	≥ 15 - < 25
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	160875-66-1	Acute Tox. 4; H302 Eye Dam. 1; H318	≥ 5 - < 10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1 939-253-5 01-2119965180-41-xxxx	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10	≥ 0,1 - < 0,25

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		M-Factor (Chronic aquatic toxicity): 1	
Substances with a workplace exposure limit :			
Dipropylene glycol monomethyl ether	34590-94-8 252-104-2 01-2119450011-60-xxxx		>= 2,5 - < 5

For explanation of abbreviations see section 16.


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)
- Risks : Harmful if swallowed.
Causes serious eye damage.

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Causes severe burns.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.

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 (CO₂)
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 : Oxides of phosphorus
Carbon monoxide
Carbon dioxide (CO₂)
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.

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.

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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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Do not smoke.
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)

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Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection


8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
phosphoric acid	7664-38-2	TWA	1 mg/m ³	GB EH40
		STEL	2 mg/m ³	GB EH40
		TWA	1 mg/m ³	2000/39/EC
Further information: Indicative				
		STEL	2 mg/m ³	2000/39/EC
Further information: Indicative				
Dipropylene glycol monomethyl ether	34590-94-8	TWA	50 ppm 308 mg/m ³	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 ³	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
Dipropylene glycol monomethyl ether	Workers	Inhalation	Long-term systemic effects	310 mg/m ³
		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 ³
Remarks:	Repeated dose toxicity			
	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			

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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : yellow

Odour : characteristic

Odour Threshold : No data available


Melting point/freezing point : No data available

Boiling point/boiling range : Not applicable

Flammability : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower : No data available

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flammability limit

Flash point : Not applicable

Decomposition temperature : No data available

pH : 0,3 - 1,5

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : No data available

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

Vapour pressure : No data available

Relative density : No data available

Density : 1,1 - 1,15 g/cm³

Relative vapour density : No data available

9.2 Other information

Oxidizing properties : No data available

Self-ignition : No data available

Evaporation rate : 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.

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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 moisture

10.5 Incompatible materials

Materials to avoid : Acids
Fluorine
Metals
nitromethane
salts of strong bases
strong bases
Strong oxidizing agents
strong reducing agents
Sulphides
sulphites

10.6 Hazardous decomposition products

Hazardous decomposition products : Oxides of phosphorus
Carbon monoxide
Carbon dioxide (CO₂)
Hydrocarbons
Aldehydes
Ketones

SECTION 11: Toxicological information

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

Acute toxicity

Harmful if swallowed.

Product:

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


Components:

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

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Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-:

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

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Acute oral toxicity : LD50 (Rat): 358 mg/kg

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:

Result : Corrosive after 4 hours or less of exposure

Remarks : Causes severe skin burns and eye damage.

Components:

phosphoric acid:

Result : Causes burns.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Species : Rabbit
Result : Causes burns.

Dipropylene glycol monomethyl ether:


Result : Not irritating to skin

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

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Components:

phosphoric acid:

Result : Corrosive to eyes

Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-:

Result : Corrosive to eyes

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

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

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity


Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 0,860 mg/l
 Exposure time: 96 h
 Test Type: flow-through test

LC50 (Oncorhynchus mykiss (rainbow trout)): 0,923 mg/l
 Exposure time: 96 h
 Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,016 mg/l
 Exposure time: 48 h
 Test Type: static test

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (algae)): 0,049 mg/l
 End point: Growth inhibition
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes


M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,00415 mg/l
 End point: Reproduction Test
 Exposure time: 21 d
 Species: Daphnia magna (Water flea)
 Analytical monitoring: yes
 GLP: yes

M-Factor (Chronic aquatic toxicity) : 1

Dipropylene glycol monomethyl ether:

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

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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:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Biodegradability : Result: Readily biodegradable.

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

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

Components:


Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-:

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

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Bioaccumulation : Species: Bluegill (Lepomis macrochirus)
Exposure time: 60 d
Concentration: 0,25 mg/l
Bioconcentration factor (BCF): 80,4
Method: Flow through

Species: Bluegill (Lepomis macrochirus)
Exposure time: 60 d
Concentration: 0,25 mg/l

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Bioconcentration factor (BCF): 33,3
Method: Flow through

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..

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.


SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
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 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

ADN: UN3264

ADR: UN3264

IATA-DGR: UN3264

IMDG-Code: UN3264

RID: UN3264

14.2 UN proper shipping name

ADN: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

ADR: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

IATA-DGR: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

IMDG-Code: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

RID: Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)

14.3 Transport hazard class(es)

ADN: 8

ADR: 8

IATA-DGR: 8

IMDG-Code: 8

RID: 8

14.4 Packing group

ADN: III

ADR: III

IATA-DGR: III

IMDG-Code: III

RID: III

14.5 Environmental hazards

ADN: Not applicable


ADR: Not applicable

IATA-DGR: Not applicable

IMDG-Code: Not applicable

RID: Not applicable

14.6 Special precautions for user

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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.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 3
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.		Not applicable
Regulation (EC) No. 648/2004, as amended	:	5 % or over but less than 15 %: Non-ionic surfactants Other constituents: Perfumes

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Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where 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
- AIIC : 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
- 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

SECTION 16: Other information

Further information

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Classification of the mixture:


Met. Corr. 1 H290
 Acute Tox. 4 H302
 Skin Corr. 1 H314
 Eye Dam. 1 H318

Classification procedure:

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

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.
- H400 : Very toxic to aquatic life.

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H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
 Aquatic Acute : Short-term (acute) aquatic hazard
 Aquatic Chronic : Long-term (chronic) aquatic hazard
 Eye Dam. : Serious eye damage
 Met. Corr. : Corrosive to metals
 Skin Corr. : Skin corrosion
 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 Packaging 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; 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet

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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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