

# SAFETY DATA SHEET



Halorein

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

### 1.1 Product identifier

**Product name** : Halorein  
**UFI** : K2A0-000F-400C-3U5R  
**Product code** : B000250  
**Product description** : Cleaner.

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

Identified uses
Professional use; Washing, cleaning, maintenance products.

#### Uses advised against

This product should not be used for applications other than those described in Section 1.

### 1.3 Details of the supplier of the safety data sheet

Veip B.V.  
Molenvliet 1  
NL-3960 BB Wijk bij Duurstede  
T : +31(0)343572244  
I : www.veip.nl

**e-mail address of person responsible for this SDS** : info@veipdisinfectants.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in case of acute intoxications)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Corr. 1, H314  
Eye Dam. 1, H318

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H314 - Causes severe skin burns and eye damage.

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## SECTION 2: Hazards identification

### Precautionary statements

- Prevention** : P280 - Wear protective gloves, protective clothing and eye or face protection.
- Response** : P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor.
- Hazardous ingredients** : Alcohols, C12-14, ethoxylated, sulfates, sodium salts  
sodium hydroxide
- Supplemental label elements** : Not applicable.

### Special packaging requirements

- Containers to be fitted with child-resistant fastenings** : Not applicable.
- Tactile warning of danger** : Not applicable.

### 2.3 Other hazards

- Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
sodium dodecylbenzenesulfonate	REACH #: 01-2120088038-51 EC: 246-680-4 CAS: 25155-30-0	≤10	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Irrit. 2, H319	ATE [Oral] = 438 mg/kg ATE [Dermal] = 1100 mg/kg	[1]
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	REACH #: 01-2119488639-16 EC: 500-234-8 CAS: 68891-38-3	≤3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	Eye Dam. 1, H318: C ≥ 10% Eye Irrit. 2, H319: 5% ≤ C < 10%	[1]
Poly(oxy-1,2-ethanediyl), α-(2-propylheptyl)-ω-hydroxy-	EC: 605-233-7 CAS: 160875-66-1	≤3	Acute Tox. 4, H302 Eye Dam. 1, H318	ATE [Oral] = 500 mg/kg Eye Dam. 1, H318: C ≥ 10% Eye Irrit. 2, H319: 1% ≤ C < 10%	[1]
sodium p-cumenesulphonate	REACH #: 01-2119489411-37 EC: 239-854-6 CAS: 15763-76-5	≤3	Eye Irrit. 2, H319	-	[1]
sodium hydroxide	REACH #: 01-2119457892-27 EC: 215-185-5 CAS: 1310-73-2 Index: 011-002-00-6	≤3	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318	Skin Corr. 1A, H314: C ≥ 5% Skin Corr. 1B, H314: 2% ≤ C < 5% Skin Irrit. 2, H315: 0.5% ≤ C < 2%	[1]

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### SECTION 3: Composition/information on ingredients

				Eye Dam. 1, H318: C ≥ 2% Eye Irrit. 2, H319: 0.5% ≤ C < 2%
<b>See Section 16 for the full text of the H statements declared above.</b>				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Stop if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. See chapter 8 of this Safety Data Sheet for specifications.

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

##### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
 pain or irritation  
 redness  
 blistering may occur

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## SECTION 4: First aid measures

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

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

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific measures identified.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : None known.

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

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
sulfur oxides  
metal oxide/oxides

### 5.3 Advice for firefighters

**Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8 of the safety data sheet (personal protective equipment).

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

**6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**6.3 Methods and material for containment and cleaning up** : Stop leak if without risk. Absorb with liquid-binding material (sand, diatomite, universal binders etc.) or use a spill kit. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

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## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

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

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

No exposure indices known.

#### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
sodium dodecylbenzenesulfonate	DNEL	Short term Dermal	0.787 mg/cm <sup>2</sup>	General population	Local
	DNEL	Long term Dermal	0.787 mg/cm <sup>2</sup>	General population	Local
	DNEL	Short term Dermal	1.57 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Dermal	1.57 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Short term Oral	13 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	13 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	26 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	26 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	26 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	26 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	28.6 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	40 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	52 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	52 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	52 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	52 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	57.2 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	80 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	2750 mg/kg	Workers	Systemic
	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	DNEL	Long term Inhalation	175 mg/m <sup>3</sup>	Workers
DNEL		Long term Dermal	1650 mg/kg	General population [Consumers]	Systemic
DNEL		Long term Inhalation	52 mg/m <sup>3</sup>	General population [Consumers]	Systemic
DNEL		Long term Oral	15 mg/kg	General population [Consumers]	Systemic
DNEL		Long term Dermal	0.079 mg/cm <sup>2</sup>	General population	Local

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## SECTION 8: Exposure controls/personal protection

sodium p-cumenesulphonate	DNEL	Long term Dermal	0.132 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Oral	15 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	52 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	175 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	1650 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	2750 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	7.6 mg/kg	Workers	Systemic
	DNEL	Long term Inhalation	53.6 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	3.8 mg/kg	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	13.2 mg/m <sup>3</sup>	General population [Consumers]	Systemic
sodium hydroxide	DNEL	Long term Oral	3.8 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Dermal	0.048 mg/cm <sup>2</sup>	General population	Local
	DNEL	Long term Dermal	0.096 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Oral	3.8 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	6.6 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	26.9 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	68.1 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	136.25 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1 mg/m <sup>3</sup>	General population [Consumers]	Local
	DNEL	Long term Inhalation	1 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	1 mg/m <sup>3</sup>	General population [Consumers]	Local
	DNEL	Short term Inhalation	1 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	1 mg/m <sup>3</sup>	General population	Local
DNEL	Long term Inhalation	1 mg/m <sup>3</sup>	Workers	Local	

### PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Fresh water	0.24 mg/l	-
	Marine water	0.024 mg/l	-
	Sewage Treatment Plant	10000 mg/l	-
	Fresh water sediment	5.45 mg/kg	-
	Marine water sediment	0.545 mg/kg	-
	Soil	0.946 mg/kg	-
	Fresh water	0.23 mg/l	-
sodium p-cumenesulphonate	Fresh water	0.23 mg/l	-
	Sewage Treatment Plant	100 mg/l	-

## 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Chemical splash goggles or face shield. Safety glasses with side shields.

### Skin protection

**Hand protection** : Wear suitable gloves tested to EN374. Gloves nitrile rubber > 0.35 mm thickness.

**Body protection** : Wear suitable protective clothing. Wear chemical resistant clothing if direct skin exposure and/or splashing may occur. Under normal conditions of handling and use, no additional skin protection measures should be necessary.

**Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.

**Environmental exposure controls** : Do not release undiluted and unneutralised into the sewer.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid.

**Colour** : Colourless to light yellow. [Transparent]

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## SECTION 9: Physical and chemical properties

**Odour** : Characteristic.

**Odour threshold** : Not available.

**Melting point/freezing point** : <0°C

**Initial boiling point and boiling range** : >100°C

**Flammability (solid, gas)** : Not available.

**Upper/lower flammability or explosive limits** : Not available.

Flash point	Closed cup		Open cup	
	Ingredient name	°C	Method	Method
	sodium dodecylbenzenesulfonate	149		
	Poly(oxy-1,2-ethanediyl), α-(2-propylheptyl)-ω-hydroxy-	>100		

Auto-ignition temperature	Ingredient name	°C	Method
	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	250	EU A.16
sodium p-cumenesulphonate	>400	EU A.16	

**Decomposition temperature** : Not available.

**pH** : 13.5 [Conc. (% w/w): 100%]

**Viscosity** : Not available.

Solubility(ies)	Media	Result
	cold water	Easily soluble
hot water	Easily soluble	

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/ water** : Not applicable.

Vapour pressure	Vapour Pressure at 20°C			Vapour pressure at 50°C			
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
	water	23.8	3.2				
	sodium dodecylbenzenesulfonate	0	0				

**Evaporation rate** : Not available.

**Relative density** : 1.05  
Not available.

**Vapour density** : Not available.

**Explosive properties** : Not available.

**Oxidising properties** : Not available.

### Particle characteristics

**Median particle size** : Not applicable.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

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## SECTION 10: Stability and reactivity

**10.4 Conditions to avoid** : No specific data.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials:  
acids

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sodium dodecylbenzenesulfonate	LD50 Oral	Rat	438 mg/kg	-
sodium p-cumenesulphonate	LD50 Dermal	Rabbit	2001 mg/kg	-
	LD50 Oral	Rat	2001 mg/kg	-

**Conclusion/Summary** : Not available.

#### 2.1 Classification of the substance or mixture

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Halorein	5099.0	17187.5	N/A	N/A	N/A
sodium dodecylbenzenesulfonate	438	1100	N/A	N/A	N/A
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-propylheptyl)- $\omega$ -hydroxy-	500	N/A	N/A	N/A	N/A
sodium p-cumenesulphonate	2001	2001	N/A	N/A	N/A

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
sodium dodecylbenzenesulfonate	Eyes - Severe irritant	Rabbit	-	1 %	-
	Eyes - Severe irritant	Rabbit	-	24 hours 250 ug	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg	-
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-propylheptyl)- $\omega$ -hydroxy-	Eyes - Moderate irritant	Rabbit	-	-	-
sodium hydroxide	Skin - Mild irritant	Rabbit	-	-	-
	Eyes - Mild irritant	Rabbit	-	400 ug	-
	Eyes - Severe irritant	Monkey	-	24 hours 1 %	-
	Eyes - Severe irritant	Rabbit	-	1 %	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 ug	-
	Skin - Mild irritant	Human	-	24 hours 2 %	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 mg	-

#### Mutagenicity

**Conclusion/Summary** : No known significant effects or critical hazards.

#### Carcinogenicity

**Conclusion/Summary** : No additional remark.



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## SECTION 11: Toxicological information

### Reproductive toxicity

**Conclusion/Summary** : No known significant effects or critical hazards.

### Teratogenicity

**Conclusion/Summary** : No known significant effects or critical hazards.

### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : Causes severe burns.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

None of the components are listed.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-propylheptyl)- $\omega$ -hydroxy-sodium p-cumenesulphonate	Acute EC50 >10 mg/l	Aquatic plants	72 hours
	Acute EC50 >10 mg/l	Daphnia	48 hours
	Chronic NOEC >1 mg/l	Fish	-
	EC50 100 mg/l	Algae	96 hours
	EC50 100 mg/l	Daphnia	48 hours
sodium hydroxide	LC50 100 mg/l	Fish	96 hours
	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Not available.
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-propylheptyl)- $\omega$ -hydroxy-sodium p-cumenesulphonate	OECD 301B	>60 % - 28 days	-	-
	OECD 301	>60 % - Readily - 28 days	-	-

**Conclusion/Summary** : Not available.

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## SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
sodium dodecylbenzenesulfonate	-	-	Readily
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	-	-	Readily
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-propylheptyl)- $\omega$ -hydroxy-	-	-	Readily
sodium p-cumenesulphonate	-	-	Readily
sodium hydroxide	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
sodium dodecylbenzenesulfonate	1.96	-	low
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	0.3	-	low
sodium p-cumenesulphonate	-1.1	-	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

None of the components are listed.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### European waste catalogue (EWC)

Waste code	Waste designation
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

#### Packaging

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## SECTION 13: Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorisation**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Other EU regulations**

**Declaration of ingredients according to Regulation 648/2004/EC on detergents**

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## SECTION 15: Regulatory information

**Annex VIIA - Labelling for Contents** : 5% or over but less than 15%: anionic surfactants. less than 5%: non-ionic surfactants.

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### National regulations

**Water Discharge Policy (ABM)** : B(4) Low hazard for aquatic organisms. Decontamination effort: B

**15.2 Chemical safety assessment** : Not applicable.

## SECTION 16: Other information

✓ Indicates information that has changed from previously issued version.

### **Abbreviations and acronyms**

: ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 vPvB = Very Persistent and Very Bioaccumulative

### **Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Classification	Justification
Skin Corr. 1, H314 Eye Dam. 1, H318	On basis of test data On basis of test data

### **Full text of abbreviated H statements**

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### **Full text of classifications [CLP/GHS]**

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Met. Corr. 1	CORROSIVE TO METALS - Category 1
Skin Corr. 1	SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2

**Date of printing** : 4/26/2023

**Date of issue/ Date of revision** : 1/30/2023

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## SECTION 16: Other information

Date of previous issue : 1/17/2023

Version : 3

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.