



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

# SAFETY DATA SHEET

**Persil Non Bio**

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

### **1.1 Product identifier**

**Product name** : Persil Non Bio  
**Product code** : 9003329  
**Product description** : Fabric washing powder  
**Product type** : powder  
**Other means of identification** : Not available.

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

#### **Identified uses**

Industrial uses: Uses of substances as such or in preparations at industrial sites

Consumer uses: Private households (= general public = consumers)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

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

Unilever UK Limited  
Springfield Drive  
KT22 7GR  
Surrey, Leatherhead  
UNITED KINGDOM  
0800 776646/Eire 1850 388 399

**e-mail address of person responsible for this SDS** : unileversds@unileverconsumerlink.co.uk

#### **National contact**

Not available.

### **1.4 Emergency telephone number**

### National advisory body/Poison Centre

**Telephone number** : Not applicable in United Kingdom and Ireland

### Supplier

**Telephone number** : 0800 776646/Eire 1850 388 399

**Hours of operation** : -

**Information limitations** : Not available.

## 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]

Eye Dam./Irrit. 2 H319

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

**Ingredients of unknown toxicity** : Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 0 %

**Ingredients of unknown ecotoxicity** : Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 0 %

#### Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

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

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

### 2.2 Label elements

**Hazard pictograms** : 

**Signal word** : Warning

**Hazard statements** : Causes serious eye irritation.

#### Precautionary statements

**General** : P102 Keep out of reach of children.

**Prevention** : Not applicable.

**Response** : P305 IF IN EYES:  
P351 Rinse cautiously with water for several minutes.  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

**Storage** : Not applicable.  
**Disposal** : Not applicable.  
**Risk phrases** : Not applicable  
**Hazardous ingredients** : Sodium benzenesulfonate C10-13 alkyl derivs.  
**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : 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**

**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.  
**Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.  
**Other hazards which do not result in classification** : None known.

**SECTION 3: Composition/information on ingredients**

**Substance/mixture** : Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Sodium carbonate	RRN : 01-2119485498-19 EC:207-838-8 CAS : 497-19-8 Index:	>=25 - <35	Xi; R36	Eye Dam./Irrit. 2, H319	[1]

sodium benzenesulfonate C10-13 alkyl derivs.	RRN : 01- 2119489428-22 EC:246-680-4 CAS : 68411-30- 3 Index:	>=10 - <20	Xn; R22 Xi; R41 R38	Acute Tox. 4, H302 Skin Corr./Irrit. 2, H315 Eye Dam./Irrit. 1, H318 Aquatic Chronic 3, H412	[1]
Sodium Carbonate Peroxide	RRN : 01- 2119457268-30 EC:239-707-6 CAS : 15630-89- 4 Index:	>=7 - <10	Xn; R22 R41 O; R8	Ox. Sol. 3, H272 Eye Dam./Irrit. 1, H318 25 - 100 % Acute Tox. 4, H302 Eye Dam./Irrit. 2, H319 10 - 25 %	[1]
Sodium Silicate	RRN : 01- 2119448725-31 EC:215-687-4 CAS : 1344-09-8 Index:	>=5 - <10	Xi; R37/38 R41	Skin Corr./Irrit. 2, H315 Eye Dam./Irrit. 1, H318 STOT SE 3, H335	[1]
C12-15 Pareth-7	EC:500-195-7 CAS : 68131-39- 5 Index:	>=1 - <3	Xn; R22 Xi; R41	Acute Tox. 4, H302 Eye Dam./Irrit. 1, H318 Aquatic Chronic 3, H412	[1]

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

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

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 and hence require reporting in this section.

**Occupational exposure limits, if available, are listed in Section 8.** For confidentiality reasons, the levels of components listed in Section 3 are given in percentage bands. The bandings do not reflect potential variation in composition of this formulation, but are used simply to mask the exact component levels, which we consider to be proprietary information. The classification given in Section 2 and 15 reflects the exact composition of this mixture.

\* exempted according to REACH Art. 2(7) and Annex V; each starting material of the ionic mixture is registered, if required

## 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.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove contaminated clothing and shoes. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. 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** : No action shall be taken involving any personal risk or without suitable training. 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.

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

##### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : May cause skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
redness  
irritation

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
redness

irritation

**Ingestion** : No specific data.

#### 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 treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

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

**Hazards from the substance or mixture** : Fine dust clouds may form explosive mixtures with air.

**Hazardous thermal decomposition products** : No specific data.

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information** : Not available.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate 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. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

**Small spill** : Move containers from spill area. Dispose of via a licensed waste disposal contractor. Vacuum or sweep up material and place in a designated, labelled waste container.

**Large spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**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.

## 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 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. 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

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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. Separate from oxidizing materials. Eliminate all ignition sources. 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.

### 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.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNEL/DMEL Summary** : Not available.

**PNEC Summary** : Not available.

### 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** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

#### **Appearance**

- Form** : solid [powder]  
**Colour** : white

<b>Odour</b>	:	perfumed
<b>Odour threshold</b>	:	Not available.
<b>pH</b>	:	10.7 [Conc. (% w/w): 100 g/l ]
<b>Melting point/freezing point</b>	:	Not available.
<b>Initial boiling point and boiling range</b>	:	Not available.
<b>Flash point</b>	:	Non-flammable.
<b>Evaporation rate</b>	:	Not available.
<b>Flammability (solid, gas)</b>	:	Not available.
<b>Density</b>	:	Not available
<b>Bulk density</b>	:	635.0000 kg/m <sup>3</sup>
<b>Burning time</b>	:	Not available.
<b>Burning rate</b>	:	Not available.
<b>Upper/lower flammability or explosive limits</b>	:	<b>Lower:</b> Not available. <b>Upper:</b> Not available.
<b>Vapour pressure</b>	:	Not available.
<b>Vapour density</b>	:	Not available.
<b>Relative density</b>	:	Not available.
<b>Solubility(ies)</b>	:	Not available.
<b>Solubility in water</b>	:	Not available.
<b>Partition coefficient: n-octanol/water</b>	:	Not available.
<b>Auto-ignition temperature</b>	:	Not available.
<b>Decomposition temperature</b>	:	Not available.
<b>Viscosity</b>	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.
<b>Explosive properties</b>	:	Not available.
<b>Oxidising properties</b>	:	Not available.
<b>9.2 Other information</b>		
<b>SADT</b>	:	Not available
<b><u>Aerosol product</u></b>		
<b>Type of aerosol</b>	:	Not available
<b>Heat of combustion</b>	:	Not available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	:	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	:	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	:	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
<b>10.5 Incompatible materials</b>	:	Reactive or incompatible with the following materials: oxidizing materials

**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 carbonate				
	LD50 Oral	Rat	3,400 mg/kg	-
	LC50 Inhalation	Rat	2.3 mg/l	2 h
sodium benzenesulfonate C10-13 alkyl derivs.				
	LD50 Oral	Rat	1,080 mg/kg	-
Sodium Carbonate Peroxide				
	LD50 Oral	Rat - Female	893 mg/kg	-
Sodium Silicate				
	LD50 Oral	Rat	3,400 mg/kg	-
C12-15 Pareth-7				
	LD50 Oral	Rat	1,500 mg/kg	-

**Conclusion/Summary** : Very low toxicity to humans or animals.

#### Acute toxicity estimates

Route	ATE value
Oral	3,100 mg/kg

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Sodium carbonate	Eyes - Mild irritant	Rabbit		0.008 hrs	-
	Eyes - Severe irritant	Rabbit			-
	Skin - Mild irritant	Rabbit		24 hrs	-
	Eyes - Moderate irritant	Rabbit		24 hrs	-
sodium benzenesulfonate C10-13 alkyl derivs.	Skin - Moderate irritant	Rabbit			-
Sodium Silicate	Eyes - Severe irritant	Rabbit		24 hrs	-
	Skin - Severe irritant	Rabbit		24 hrs	-

#### **Conclusion/Summary**

**Skin** : The mixture is not an irritant for the skin., Classification based on Regulation (EC) No. 1272/2008 [CLP] bridging principles

**Eyes** : Causes serious eye irritation., Classification based on Regulation

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**Respiratory** : (EC) No. 1272/2008 [CLP] bridging principles  
: May cause respiratory irritation.

### Sensitisation

Product/ingredient name	Route of exposure	Species	Result
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#### Conclusion/Summary

**Skin** : No sensitization studies have been performed on the mixture. Based on the composition as indicated in section 3, it's not likely that the mixture will cause sensitisation by skin contact

**Respiratory** : No inhalation irritancy studies have been performed on the mixture. Based on the composition as indicated in section 3, it is not likely that this mixture will cause irritation of the respiratory tract.

### Mutagenicity

**Conclusion/Summary** : Not applicable.

### Carcinogenicity

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

### Reproductive toxicity

**Conclusion/Summary** : Not applicable.

### Teratogenicity

**Conclusion/Summary** : Not applicable.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Sodium Silicate	Category 3		Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

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

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

**Skin contact** : May cause skin irritation.

**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:  
redness  
irritation

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:

redness  
irritation

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

**Conclusion/Summary** : Very low toxicity to humans or animals.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Sodium carbonate			
	Acute LC50 300,000 µg/l Fresh water	Fish - Bluegill	96 h
	Acute LC50 300,000 µg/l Fresh water	Fish - Bluegill	96 h
	Acute LC50 300,000 µg/l Fresh water	Fish - Bluegill	96 h
	Acute LC50 320,000 µg/l Fresh water	Fish - Bluegill	96 h
	Acute LC50 320,000 µg/l Fresh water	Fish - Bluegill	96 h
	Acute LC50 740 mg/l Fresh water	Fish - Western mosquitofish	4 d
	Acute EC50 199.82 mg/l Fresh water	Aquatic invertebrates. Water flea	2 d
	Acute LC50 265,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 265,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 565,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 1,640,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h

	Acute EC50 242,000 µg/l Fresh water	Aquatic plants - Diatom	96 h
sodium benzenesulfonate C10-13 alkyl derivs.			
	Acute EC50 5.88 mg/l Fresh water	Aquatic invertebrates. Water flea	2 d
	Acute EC50 7.81 mg/l Fresh water	Aquatic invertebrates. Water flea	2 d
	Acute IC50 112.4 mg/l	Aquatic plants - Green algae	3 d
	Acute EC50 171.96 mg/l Fresh water	Aquatic plants - Green algae	4 d
	Chronic NOEC 3.8 mg/l Fresh water	Fish - Rainbow trout,donaldson trout	4 d
Sodium Silicate			
	Acute EC50 33.53 mg/l Fresh water	Aquatic invertebrates. Water flea	2 d
	Acute LC50 494,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 494,000 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
C12-15 Pareth-7			
	Acute EC50 1.3 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 1,400 µg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Chronic NOEC 187 µg/l Fresh water	Aquatic invertebrates. Water flea	21 d
	Chronic NOEC 83 µg/l Fresh water	Aquatic invertebrates. Water flea	21 d
FWP-PP/STD/HD/ZP/PUR/CS6/DanceH-CWhipop			
<b>Remarks - Acute - Aquatic invertebrates.</b>	No ecological testing on the mixture has been performed. Contains a substance considered very toxic to aquatic organisms, but below threshold for classification		

**Conclusion/Summary** : No ecological testing on the mixture has been performed. Contains a substance considered very toxic to aquatic organisms, but below threshold for classification

## 12.2 Persistence and degradability

**Conclusion/Summary** : The surfactants used in this mixture are readily biodegradable., The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
sodium benzenesulfonate C10-13 alkyl derivs.	3.32	-	high
C12-15 Pareth-7	2.03 - 6.24	-	high

Not available.

#### 12.4 Mobility in soil

- Soil/water partition coefficient (KOC)** : Not available.
- Mobility** : Mixture is highly soluble

#### 12.5 Results of PBT and vPvB assessment

- PBT** : P: Not available.  
B: Not available.  
T: Not available.
- vPvB** : vP: Not available.  
vB: Not available.

- 12.6 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** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

- 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
<b>14.1 UN number</b>				
<b>14.2 UN proper shipping name</b>				
<b>14.3 Transport hazard class(es)</b>	Not regulated.	Not regulated.	Not regulated.	Not available.
<b>14.4 Packing group</b>				
<b>14.5. Environmental hazards</b>				
<b>Additional information</b>				

**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 Annex II of MARPOL 73/78 and the IBC Code

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.

#### Other EU regulations

Europe inventory : Not determined.  
 Integrated pollution prevention and control list (IPPC) - Air : Not listed  
 Integrated pollution prevention and control list (IPPC) - Water : Not listed

Aerosol dispensers : Not applicable.

#### National regulations

Remark : No additional remark.



**International regulations**

- Chemical Weapons Convention List Schedule I Chemicals** : Not listed
- Chemical Weapons Convention List Schedule II Chemicals** : Not listed
- Chemical Weapons Convention List Schedule III Chemicals** : Not listed

- 15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

**SECTION 16: Other information**

- Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
AISE = Association Internationale de la Savonnerie, de la Détergence et des Produits d'Entretien, International Association for Soaps, Detergents and Maintenance Products'  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
DMEL = Derived Minimal Effect Level  
EUH statement = CLP-specific Hazard statement  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative
- Key literature references and sources for data** : Classification based on Regulation (EC) No. 1272/2008 [CLP] bridging principles

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

Classification	Justification
Eye Dam./Irrit. 2, H319	On basis of test data

- Full text of abbreviated H statements** : H302 Harmful if swallowed.  
H412 Harmful to aquatic life with long lasting effects.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H272 May intensify fire; oxidiser.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.
- Full text of classifications [CLP/GHS]** : **Acute Tox. 4, H302:** ACUTE TOXICITY: ORAL - Category 4  
**Aquatic Chronic 3, H412:** LONG-TERM AQUATIC HAZARD - Category 3  
**Eye Dam./Irrit. 1, H318:** SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  
**Eye Dam./Irrit. 2, H319:** SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
**Ox. Sol. 3, H272:** OXIDIZING SOLIDS - Category 3  
**Skin Corr./Irrit. 2, H315:** SKIN CORROSION/IRRITATION - Category 2  
**STOT SE 3, H335:** SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
- Full text of abbreviated R phrases** : R8- Contact with combustible material may cause fire.  
R22- Harmful if swallowed.  
R41- Risk of serious damage to eyes.

R36- Irritating to eyes.  
R38- Irritating to skin.  
R37/38- Irritating to respiratory system and skin.

**Full text of classifications  
[DSD/DPD]** : O - Oxidising  
Xn - Harmful  
Xi - Irritant

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