



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by  
Commission Regulation (EU) 2020/878

# SAFETY DATA SHEET

## Persil Colour 3 in 1 Capsules Biological Liquid Detergent

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

#### 1.1 Product identifier

**Product name** : Persil Colour 3 in 1 Capsules Biological Liquid Detergent  
**Product code** : 200000259702, 300000084204  
**Product description** : Fabric Washing Liquid Capsule  
**Product type** : Liquid  
**Unique Formula Identifier (UFI)** : YMY9-W0JV-400W-0YYQ  
**Nanomaterials** : No

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

##### Identified uses

Consumer uses  
Fabric Washing Liquid Capsule

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

Unilever UK Limited  
Springfield Drive  
Surrey, Leatherhead  
KT22 7GR  
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 Center

**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

Skin Corr./Irrit. 2 H315

Aquatic Chronic 3 H412

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 acute toxicity: 0 %

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

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** : Warning

**Hazard statements** : Causes skin irritation.  
Causes serious eye irritation.  
Harmful to aquatic life with long lasting effects.

#### Precautionary statements

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

**Prevention** : P273 Avoid release to the environment.

**Response** : P302 IF ON SKIN:  
P352 Wash with plenty of water.  
P305 IF IN EYES:  
P351 Rinse cautiously with water for several minutes.  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the** : Not applicable.

**market and use of certain dangerous substances, mixtures and articles**

**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**

**3.2 Mixtures** : Mixture

	<b>Identifiers</b>		<b><u>Regulation (EC) No. 1272/2008 [CLP]</u></b>	<b>Type</b>
Laureth-7	EC : 221-283-9 CAS : 68439-50-9	>= 10 - <= 25	Acute Tox.4, H302 Eye Dam./Irrit.1, H318 Aquatic Chronic3, H412	[1]
MEA-Dodecylbenzenesulfonate	CAS : 99924-49-9	>= 10 - <= 25	Acute Tox.4, H302 Skin Corr./Irrit.2, H315 Eye Dam./Irrit.1, H318 Aquatic Chronic3, H412	[1]
Ethanolamine	RRN : 01-2119486455-28 EC : 205-483-3 CAS : 141-43-5	> 0 - <= 0.1	StotSe3, H335 5 - 100 % Skin Corr./Irrit.1B, H314  Acute Tox.4, H302  Acute Tox.4, H312  Acute Tox.4, H332	[1] [2]

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#### 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 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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit 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.
- 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. 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. 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.
- 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** : Causes skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following: irritation, redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following: irritation, redness  
**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** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.  
**Hazardous combustion products** : Not relevant for these kind of mixtures

### 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 relevant for these kind of mixtures

## 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 spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized 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 spilled 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). Water polluting material. May be harmful to the environment if released in large quantities.

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

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

- 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 breathe vapor or

mist. Do not ingest. Avoid release to the environment. 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

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. 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 unlabeled 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 information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Ethanolamine	<b>EU OEL (2006-02-01). Absorbed through skin..</b> TWA 2.5 mg/m <sup>3</sup> 1 ppm STEL 7.6 mg/m <sup>3</sup> 3 ppm <b>EH40/2005 WELs (2007-10-01). Absorbed through skin..</b> STEL 7.6 mg/m <sup>3</sup> 3 ppm TWA 2.5 mg/m <sup>3</sup> 1 ppm

**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.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available.

**8.2 Exposure controls**

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor 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** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.



<b>Environmental exposure controls</b>	:	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.
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	:	liquid [capsules]
<b>Color</b>	:	Purple.
<b>Odor</b>	:	Characteristic.
<b>pH</b>	:	8.7 [Conc. (% w/w): 100 g/l ]
<b>Melting point/freezing point</b>	:	Under normal conditions, melting point/freezing point will not be observed
<b>Initial boiling point and boiling range</b>	:	Under normal conditions, initial boiling point/boiling range will not be observed
<b>Flash point</b>	:	Non-flammable.
<b>Flammability (solid, gas)</b>	:	Non-flammable.
<b>Density</b>	:	1.064 g/cm <sup>3</sup>
<b>Bulk density</b>	:	Not available.
<b>Upper/lower flammability or explosive limits</b>	:	<b>Lower:</b> Not flammable <b>Upper:</b> Not flammable
<b>Vapor pressure</b>	:	Not relevant for these kind of mixtures
<b>Vapor density</b>	:	Not relevant for these kind of mixtures
<b>Solubility in water</b>	:	Soluble
<b>Partition coefficient: n-octanol/water</b>	:	Not applicable for mixtures
<b>Auto-ignition temperature</b>	:	Not flammable
<b>Decomposition temperature</b>	:	Not relevant for these kind of mixtures
<b>Viscosity</b>	:	<b>Dynamic:</b> Not determined <b>Kinematic:</b> Based on available data, the classification criteria are not met.
<b>Explosive properties</b>	:	Not relevant for these kind of mixtures
<b>Oxidizing properties</b>	:	Not relevant for these kind of mixtures
<b>Particle Characteristic</b>	:	Not available

### 9.2 Other information

#### Aerosol product

<b>Type of aerosol</b>	:	Not relevant for these kind of mixtures
<b>Heat of combustion</b>	:	Not relevant for these kind of mixtures
<b>Ignition distance</b>	:	Based on available data, the classification criteria are not met.
<b>Enclosed space ignition - Time equivalent</b>	:	Based on available data, the classification criteria are not met.
<b>Enclosed space ignition - Deflagration density</b>	:	Based on available data, the classification criteria are not met.
<b>Flame projection</b>	:	Based on available data, the classification criteria are not met.
<b>Flame height</b>	:	Based on available data, the classification criteria are not met.
<b>Flame duration</b>	:	Based on available data, the classification criteria are not met.

## 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.
- 10.4 Conditions to avoid** : No specific data.
- 10.5 Incompatible materials** : No specific data.
- 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

Product/ingredient name	Result	Species	Dose	Exposure
MEA-Dodecylbenzenesulfonate				
	LD50 Oral	Rat	1,080 mg/kg	-
Ethanolamine				
	LD50 Oral	Rat	1,089 mg/kg	-

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
	>5,000 mg/kg	N/A	N/A	N/A	N/A

#### Irritation/Corrosion

Product/ingredient name	Route of exposure	Irritation	Species	Score	Exposure	Observation
Ethanolamine	Eyes	Severe irritant	Rabbit	-		-
	Skin	Moderate irritant	Rabbit	-		-

#### **Conclusion/Summary**

- Skin** : Causes skin irritation.
- Eyes** : Causes serious eye irritation. Classification based on Regulation (EC) No. 1272/2008 [CLP] bridging principles
- Respiratory** : Non-irritating to the respiratory system.

### **Sensitization**

#### **Conclusion/Summary**

- Skin** : Not sensitizing
- Respiratory** : Not sensitizing

### **Mutagenicity**

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### **Carcinogenicity**

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### **Teratogenicity**

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

None of the components are listed.

### **Specific target organ toxicity (repeated exposure)**

None of the components are listed.

### **Aspiration hazard**

None of the components are listed.

- 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** : Causes 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: irritation, redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following: irritation, redness
- Ingestion** : No specific data.

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

#### **Short term exposure**

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### **Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### **Potential chronic health effects**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

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

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### **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**

<b>Product/ingredient name</b>	<b>LogPow</b>	<b>BCF</b>	<b>Potential</b>
Ethanolamine	-1.31	-	low

### **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**

The substances used in this mixture are neither a PBT- or a vPvB substance

## **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 minimized 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.

### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>ADN</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN number</b>	-	-	-	-
<b>14.2 UN proper shipping name</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.3 Transport hazard class(es)</b>	Not regulated.	Not regulated.	-	-
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5. Environmental hazards</b>	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 authorization**

##### **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**

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

**Ozone depleting substances (1005/2009/EU)**

None of the components are listed.

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

None of the components are listed.

**Seveso III Directive**

This product is not controlled under the Seveso Directive.

**National regulations**

**Remark** : No additional remark.

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

**Chemical Weapons Convention List Schedule I Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule II Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule III Chemicals**

None of the components are listed.

**Montreal Protocol**

None of the components are listed.

**Stockholm Convention on Persistent Organic Pollutants**

**Annex A - Elimination - Production**

None of the components are listed.

**Annex A - Elimination - Use**

None of the components are listed.

**Annex B - Restriction - Production**

None of the components are listed.

**Annex B - Restriction - Use**

None of the components are listed.

**Annex C - Unintentional - Production**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

**Rotterdam Convention on Prior Informed Consent (PIC) - Industrial**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) -Severely hazardous pesticide**

None of the components are listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

**Heavy metals - Annex 1**

None of the components are listed.

**POPs - Annex 1 - Production**

None of the components are listed.

**POPs - Annex 1 - Use**

None of the components are listed.

**POPs - Annex 2**

None of the components are listed.

**POPs - Annex 3**

None of the components are listed.

**Inventory list**

<b>Australia</b>	:	Not determined.
<b>Canada</b>	:	Not determined.
<b>China</b>	:	Not determined.
<b>Europe</b>	:	Not determined.
<b>Japan</b>	:	<b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	:	Not determined.
<b>Philippines</b>	:	Not determined.
<b>Republic of Korea</b>	:	Not determined.
<b>Taiwan</b>	:	Not determined.
<b>Thailand</b>	:	Not determined.
<b>Turkey</b>	:	Not determined.
<b>United States</b>	:	Not determined.
<b>Viet Nam</b>	:	Not determined.

**15.2 Chemical Safety Assessment** : Not applicable

**SECTION 16: Other information**

**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
Eye Dam./Irrit. 2, H319	On basis of test data
Skin Corr./Irrit. 2, H315	Calculation method
Aquatic Chronic 3, H412	Calculation method

**Full text of abbreviated H statements**

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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

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

Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM)
Acute Tox. 4	ACUTE TOXICITY
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION
Skin Corr. 1B	SKIN CORROSION/IRRITATION
Skin Irrit. 2	SKIN CORROSION/IRRITATION
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

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**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. 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.





Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by  
Commission Regulation (EU) 2020/878

# SAFETY DATA SHEET

## Persil Colour 3 in 1 Capsules Biological Liquid Detergent

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

#### 1.1 Product identifier

**Product name** : Persil Colour 3 in 1 Capsules Biological Liquid Detergent  
**Product code** : 200000259702, 300000220419  
**Product description** : Fabric Washing Liquid Capsule  
**Product type** : Liquid  
**Unique Formula Identifier (UFI)** : 4QM9-M0WF-8002-0MYH  
**Nanomaterials** : No

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

**Identified uses**  
Consumer uses  
Fabric Washing Liquid Capsule

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

Unilever UK Limited  
Springfield Drive  
Surrey, Leatherhead  
KT22 7GR  
UNITED KINGDOM  
0800 776646/Eire 1800545555  
**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 Center

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

### Supplier

**Telephone number** : 0800 776646/Eire 1800545555  
**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  
Skin Corr./Irrit. 2 H315  
Aquatic Chronic 3 H412

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 acute toxicity: 0 %

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

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** : Warning

**Hazard statements** : Causes skin irritation.  
Causes serious eye irritation.  
Harmful to aquatic life with long lasting effects.

#### Precautionary statements

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

**Prevention** : P273 Avoid release to the environment.

**Response** : P302 IF ON SKIN:  
P352 Wash with plenty of water.  
P305 IF IN EYES:  
P351 Rinse cautiously with water for several minutes.  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** : Not applicable.

- Disposal** : Dispose of used up container in accordance with local regulations.
- Hazardous ingredients** : Not applicable.
- Supplemental label elements** : Contains HEXYL SALICYLATE, TETRAHYDRALINALOOL, BENZYL SALICYLATE, HEXYL CINNAMAL, 4-TERT-BUTYLCYCLOHEXYL ACETATE, Subtilisin, May produce an allergic reaction.
- 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

- Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

	Identifiers		<u>Regulation (EC) No. 1272/2008 [CLP]</u>	Type
Laureth-7	EC : 221-283-9 CAS : 68439-50-9	>= 10 - <= 25	Acute Tox.4, H302 Eye Dam./Irrit.1, H318 Aquatic Chronic3, H412	[1]
MEA-Dodecylbenzenesu lfonate	CAS : 99924-49-9	>= 10 - <= 25	Acute Tox.4, H302 Skin Corr./Irrit.2, H315 Eye Dam./Irrit.1, H318 Aquatic Chronic3, H412	[1]
HEXYL SALICYLATE	RRN : 01-2119638275-36 EC : 228-408-6 CAS : 6259-76-3	> 0 - < 1	Skin Corr./Irrit.2, H315 Skin Sens.1B, H317 Aquatic Chronic1, H410 M: 1 Aquatic Acute1, H400	[1]

TETRAHYDRAL INALOOL	EC : 201-133-9 CAS : 78-69-3	> 0 - < 1	Eye Dam./Irrit.2, H319  Skin Corr./Irrit.2, H315  Skin Sens.1B, H317	[1]
BENZYL SALICYLATE	EC : 204-262-9 CAS : 118-58-1	> 0 - < 1	Skin Sens.1B, H317	[1]
HEXYL CINNAMAL	EC : 202-983-3 CAS : 101-86-0	> 0 - < 1	Skin Sens.1B, H317  Aquatic Acute1, H400  Aquatic Chronic2, H411	[1]
4-TERT- BUTYLCYCLOH EXYL ACETATE	RRN : 01-2119976286-24 EC : 250-954-9 CAS : 32210-23-4	> 0 - < 1	Skin Sens.1B, H317	[1]
Subtilisin	RRN : 01-2119480434-38 EC : 232-752-2 CAS : 9014-01-1 Index : 647-012-00-8	> 0 - <= 0.3	Eye Dam./Irrit.1, H318  StotSe3, H335  Skin Corr./Irrit.2, H315  Resp. Sens.1, H334	[1] [2]
Ethanolamine	RRN : 01-2119486455-28 EC : 205-483-3 CAS : 141-43-5	> 0 - <= 0.1	StotSe3, H335 5 - 100 % Skin Corr./Irrit.1B, H314  Acute Tox.4, H302  Acute Tox.4, H312  Acute Tox.4, H332	[1] [2]
Diphenyl ether	EC : 202-981-2 CAS : 101-84-8	> 0 - < 0.1	Eye Dam./Irrit.2, H319  Aquatic Acute1, H400 M: 1  Aquatic Chronic3, H412	[1] [2]

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 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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit 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**

- |                                   |   |  |
|-----------------------------------|---|--|
| <b>Eye contact</b>                | : | 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.   |
| <b>Inhalation</b>                 | : | 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.  |
| <b>Skin contact</b>               | : | 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| <b>Ingestion</b>                  | : | Get medical attention immediately. 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. 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. |
| <b>Protection of first-aiders</b> | : | 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** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following: irritation, redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following: irritation, redness
- 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** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Not relevant for these kind of mixtures

### 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 relevant for these kind of mixtures

## 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 spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized 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 spilled 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). Water polluting material. May be harmful to the environment if released in large quantities.

## 6.3 Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

- 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 breathe vapor or mist. Do not ingest. Avoid release to the environment. 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

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. 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 unlabeled 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 information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Subtilisin	<b>EH40/2005 WELs (2005-04-06). Inhalation sensitizer.</b> TWA 0.00004 mg/m <sup>3</sup>
Ethanolamine	<b>EU OEL (2006-02-01). Absorbed through skin..</b> TWA 2.5 mg/m <sup>3</sup> 1 ppm STEL 7.6 mg/m <sup>3</sup> 3 ppm <b>EH40/2005 WELs (2007-10-01). Absorbed through skin..</b> STEL 7.6 mg/m <sup>3</sup> 3 ppm TWA 2.5 mg/m <sup>3</sup> 1 ppm
Diphenyl ether	<b>EU OEL (2017-02-21).</b> STEL 14 mg/m <sup>3</sup> 2 ppm TWA 7 mg/m <sup>3</sup> 1 ppm <b>EH40/2005 WELs (1997-01-01).</b> TWA 7 mg/m <sup>3</sup> 1 ppm <b>EH40/2005 WELs (2018-08-21).</b> STEL 14 mg/m <sup>3</sup> 2 ppm

**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.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available.

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor 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.
<b>Respiratory protection</b>	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
<b>Environmental exposure controls</b>	: 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

<b>Physical state</b>	: liquid [capsules]
<b>Color</b>	: blue
<b>Odor</b>	: Characteristic.
<b>pH</b>	: 8.75 [Conc. (% w/w): 100 g/l ]
<b>Melting point/freezing point</b>	: Under normal conditions, melting point/freezing point will not be observed
<b>Initial boiling point and boiling range</b>	: Under normal conditions, initial boiling point/boiling range will not be observed
<b>Flash point</b>	: Non-flammable.
<b>Flammability (solid, gas)</b>	: Non-flammable.
<b>Density</b>	: 1.061 g/cm <sup>3</sup>
<b>Bulk density</b>	: Not available.
<b>Upper/lower flammability or explosive limits</b>	: <b>Lower:</b> Not flammable <b>Upper:</b> Not flammable
<b>Vapor pressure</b>	: Not relevant for these kind of mixtures
<b>Vapor density</b>	: Not relevant for these kind of mixtures
<b>Solubility in water</b>	: Soluble
<b>Partition coefficient: n-octanol/water</b>	: Not applicable for mixtures
<b>Auto-ignition temperature</b>	: Not flammable
<b>Decomposition temperature</b>	: Not relevant for these kind of mixtures
<b>Viscosity</b>	: <b>Dynamic:</b> Not determined <b>Kinematic:</b> Based on available data, the classification criteria are not met.
<b>Explosive properties</b>	: Not relevant for these kind of mixtures
<b>Oxidizing properties</b>	: Not relevant for these kind of mixtures
<b>Particle Characteristic</b>	: Not available

### 9.2 Other information

#### Aerosol product

<b>Type of aerosol</b>	: Not relevant for these kind of mixtures
<b>Heat of combustion</b>	: Not relevant for these kind of mixtures
<b>Ignition distance</b>	: Based on available data, the classification criteria are not met.
<b>Enclosed space ignition - Time equivalent</b>	: Based on available data, the classification criteria are not met.

<b>Enclosed space ignition - Deflagration density</b>	:	Based on available data, the classification criteria are not met.
<b>Flame projection</b>	:	Based on available data, the classification criteria are not met.
<b>Flame height</b>	:	Based on available data, the classification criteria are not met.
<b>Flame duration</b>	:	Based on available data, the classification criteria are not met.

## 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>	:	No specific data.
<b>10.5 Incompatible materials</b>	:	No specific data.
<b>10.6 Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
MEA-Dodecylbenzenesulfonate				
	LD50 Oral	Rat	1,080 mg/kg	-
HEXYL SALICYLATE				
	LD50 Oral	Rat	> 5,000 mg/kg	-
4-TERT-BUTYLCYCLOHEXYL ACETATE				
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Subtilisin				
	LD50 Oral	Rat	1,800 mg/kg	-
Ethanalamine				
	LD50 Oral	Rat	1,089 mg/kg	-

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
	>5,000 mg/kg	N/A	N/A	N/A	N/A

### Irritation/Corrosion

Product/ingredient name	Route of exposure	Irritation	Species	Score	Exposure	Observation
TETRAHYDRALINALOOL	Eyes	Moderate irritant	Rabbit	-		-
	Skin	Moderate irritant	Rabbit	-	24 hrs	-
HEXYL CINNAMAL	Skin	Severe irritant	Guinea pig	-	24 hrs	-
	Skin	Moderate irritant	Rabbit	-	24 hrs	-
	Skin	Severe irritant	Rabbit	-	24 hrs	-
Subtilisin	Eyes	Moderate irritant	Rabbit	-		-
Ethanolamine	Eyes	Severe irritant	Rabbit	-		-
	Skin	Moderate irritant	Rabbit	-		-
Diphenyl ether	Skin	Mild irritant	Rabbit	-	24 hrs	-

#### **Conclusion/Summary**

- Skin** : Causes skin irritation.
- Eyes** : Causes serious eye irritation. Classification based on Regulation (EC) No. 1272/2008 [CLP] bridging principles
- Respiratory** : Non-irritating to the respiratory system.

### Sensitization

#### **Conclusion/Summary**

- Skin** : May cause an allergic skin reaction.
- Respiratory** : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Mutagenicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Carcinogenicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Reproductive toxicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Teratogenicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

None of the components are listed.

### Specific target organ toxicity (repeated exposure)

None of the components are listed.

### **Aspiration hazard**

None of the components are listed.

**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** : Causes 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: irritation, redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following: irritation, redness  
**Ingestion** : No specific data.

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

#### **Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### **Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

### **Potential chronic health effects**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### **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
TETRAHYDRALINALOOL	3.3	-	low
Subtilisin	-3.1	-	low
Ethanolamine	-1.31	-	low

### 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

The substances used in this mixture are neither a PBT- or a vPvB substance

## 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 minimized 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.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
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<b>14.1 UN number</b>	-	-	-	-
<b>14.2 UN proper shipping name</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.3 Transport hazard class(es)</b>	Not regulated.	Not regulated.	-	-
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5. Environmental hazards</b>	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 authorization

###### 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

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

#### Ozone depleting substances (1005/2009/EU)

None of the components are listed.

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

None of the components are listed.

#### Seveso III Directive

This product is not controlled under the Seveso Directive.

**National regulations**

**Remark** : No additional remark.

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

**Chemical Weapons Convention List Schedule I Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule II Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule III Chemicals**

None of the components are listed.

**Montreal Protocol**

None of the components are listed.

**Stockholm Convention on Persistent Organic Pollutants**

**Annex A - Elimination - Production**

None of the components are listed.

**Annex A - Elimination - Use**

None of the components are listed.

**Annex B - Restriction - Production**

None of the components are listed.

**Annex B - Restriction - Use**

None of the components are listed.

**Annex C - Unintentional - Production**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

**Rotterdam Convention on Prior Informed Consent (PIC) - Industrial**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide**

None of the components are listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

**Heavy metals - Annex 1**

None of the components are listed.

**POPs - Annex 1 - Production**

None of the components are listed.

**POPs - Annex 1 - Use**

None of the components are listed.

**POPs - Annex 2**



None of the components are listed.

**POPs - Annex 3**

None of the components are listed.

**Inventory list**

<b>Australia</b>	:	Not determined.
<b>Canada</b>	:	Not determined.
<b>China</b>	:	Not determined.
<b>Europe</b>	:	Not determined.
<b>Japan</b>	:	<b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	:	Not determined.
<b>Philippines</b>	:	Not determined.
<b>Republic of Korea</b>	:	Not determined.
<b>Taiwan</b>	:	Not determined.
<b>Thailand</b>	:	Not determined.
<b>Turkey</b>	:	Not determined.
<b>United States</b>	:	Not determined.
<b>Viet Nam</b>	:	Not determined.

**15.2 Chemical Safety Assessment** : Not applicable

**SECTION 16: Other information**

<b>Abbreviations and acronyms</b>	:	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
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**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
Skin Corr./Irrit. 2, H315	Calculation method
Aquatic Chronic 3, H412	Calculation method

**Full text of abbreviated H statements**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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

Acute Tox. 4	ACUTE TOXICITY
Aquatic Acute 1	AQUATIC HAZARD (ACUTE)
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM)
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM)
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM)
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION
Resp. Sens. 1	RESPIRATORY SENSITIZATION
Skin Corr. 1B	SKIN CORROSION/IRRITATION
Skin Irrit. 2	SKIN CORROSION/IRRITATION
Skin Sens. 1B	SKIN SENSITIZATION
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

**Date of printing** : 21.07.2022  
**Date of issue/ Date of revision** : 21.07.2022  
**Date of previous issue** : 00.00.0000  
**Version** : 1.0

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. 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.**



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by  
Commission Regulation (EU) 2020/878

# SAFETY DATA SHEET

## Persil Colour 3 in 1 Capsules Biological Liquid Detergent

Version: 1.0

Date of issue/Date of revision: 21.07.2022

Date of previous issue: 00.00.0000

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

### 1.1 Product identifier

**Product name** : Persil Colour 3 in 1 Capsules Biological Liquid Detergent  
**Product code** : 200000259702, 300000220467  
**Product description** : Fabric Washing Liquid Capsule  
**Product type** : Liquid  
**Unique Formula Identifier (UFI)** : 6MM9-4071-X00K-C9DF  
**Nanomaterials** : No

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

#### Identified uses

Consumer uses  
Fabric Washing Liquid Capsule

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

Unilever UK Limited  
Springfield Drive  
Surrey, Leatherhead  
KT22 7GR  
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 Center

**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  
Skin Corr./Irrit. 2 H315  
Aquatic Chronic 3 H412

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 acute toxicity: 0 %

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

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** : Warning

**Hazard statements** : Causes skin irritation.  
Causes serious eye irritation.  
Harmful to aquatic life with long lasting effects.

### Precautionary statements

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

**Prevention** : P273 Avoid release to the environment.

**Response** : P302 IF ON SKIN:  
P352 Wash with plenty of water.  
P305 IF IN EYES:  
P351 Rinse cautiously with water for several minutes.  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Contains ROSE KETONE-3,  
May produce an allergic reaction.

**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

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

	Identifiers		<u>Regulation (EC) No. 1272/2008 [CLP]</u>	Type
Laureth-7	EC : 221-283-9 CAS : 68439-50-9	>= 10 - <= 25	Acute Tox.4, H302  Eye Dam./Irrit.1, H318  Aquatic Chronic3, H412	[1]
MEA-Dodecylbenzenesulfonate	CAS : 99924-49-9	>= 10 - <= 25	Acute Tox.4, H302  Skin Corr./Irrit.2, H315  Eye Dam./Irrit.1, H318  Aquatic Chronic3, H412	[1]
Ethanolamine	RRN : 01-2119486455-28 EC : 205-483-3 CAS : 141-43-5	> 0 - <= 0.1	StotSe3, H335 5 - 100 % Skin Corr./Irrit.1B, H314  Acute Tox.4, H302  Acute Tox.4, H312  Acute Tox.4, H332	[1] [2]
ROSE KETONE-3	EC : 260-709-8 CAS : 57378-68-4	> 0 - < 0.1	Acute Tox.4, H302  Aquatic Acute1, H400  Aquatic Chronic1, H410  Skin Corr./Irrit.2, H315  Skin Sens.1A, H317	[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 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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit 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.
- 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. 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. 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.
- 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** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

#### **Over-exposure signs/symptoms**

- Eye contact** : Adverse symptoms may include the following: irritation, redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following: irritation, redness
- 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** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Not relevant for these kind of mixtures

### **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 relevant for these kind of mixtures

## **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 spilled material. Do not breathe vapor or mist. Provide

**For emergency responders** : adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized 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 spilled 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). Water polluting material. May be harmful to the environment if released in large quantities.

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

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**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 breathe vapor or mist. Do not ingest. Avoid release to the environment. 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

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. 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 unlabeled 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 information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Ethanolamine	<b>EU OEL (2006-02-01). Absorbed through skin..</b> TWA 2.5 mg/m3 1 ppm STEL 7.6 mg/m3 3 ppm <b>EH40/2005 WELs (2007-10-01). Absorbed through skin..</b> STEL 7.6 mg/m3 3 ppm TWA 2.5 mg/m3 1 ppm

#### **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.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available.

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor 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** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**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**

<b>Physical state</b>	: liquid [capsules]
<b>Color</b>	: White.
<b>Odor</b>	: Characteristic.
<b>pH</b>	: 8.7 [Conc. (% w/w): 100 g/l ]
<b>Melting point/freezing point</b>	: Under normal conditions, melting point/freezing point will not be observed
<b>Initial boiling point and boiling range</b>	: Under normal conditions, initial boiling point/boiling range will not be observed
<b>Flash point</b>	: Non-flammable.
<b>Flammability (solid, gas)</b>	: Non-flammable.
<b>Density</b>	: 1.073 g/cm <sup>3</sup>
<b>Bulk density</b>	: Not available.
<b>Upper/lower flammability or explosive limits</b>	: <b>Lower:</b> Not flammable <b>Upper:</b> Not flammable
<b>Vapor pressure</b>	: Not relevant for these kind of mixtures
<b>Vapor density</b>	: Not relevant for these kind of mixtures
<b>Solubility in water</b>	: Soluble
<b>Partition coefficient: n-octanol/water</b>	: Not applicable for mixtures
<b>Auto-ignition temperature</b>	: Not flammable
<b>Decomposition temperature</b>	: Not relevant for these kind of mixtures
<b>Viscosity</b>	: <b>Dynamic:</b> Not determined <b>Kinematic:</b> Based on available data, the classification criteria are not met.
<b>Explosive properties</b>	: Not relevant for these kind of mixtures
<b>Oxidizing properties</b>	: Not relevant for these kind of mixtures
<b>Particle Characteristic</b>	: Not available

## 9.2 Other information

### Aerosol product

<b>Type of aerosol</b>	: Not relevant for these kind of mixtures
<b>Heat of combustion</b>	: Not relevant for these kind of mixtures
<b>Ignition distance</b>	: Based on available data, the classification criteria are not met.
<b>Enclosed space ignition - Time equivalent</b>	: Based on available data, the classification criteria are not met.
<b>Enclosed space ignition - Deflagration density</b>	: Based on available data, the classification criteria are not met.
<b>Flame projection</b>	: Based on available data, the classification criteria are not met.
<b>Flame height</b>	: Based on available data, the classification criteria are not met.
<b>Flame duration</b>	: Based on available data, the classification criteria are not met.

## 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>	: No specific data.
<b>10.5 Incompatible materials</b>	: No specific data.

**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

Product/ingredient name	Result	Species	Dose	Exposure
MEA-Dodecylbenzenesulfonate				
	LD50 Oral	Rat	1,080 mg/kg	-
Ethanolamine				
	LD50 Oral	Rat	1,089 mg/kg	-

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
	>5,000 mg/kg	N/A	N/A	N/A	N/A

#### Irritation/Corrosion

Product/ingredient name	Route of exposure	Irritation	Species	Score	Exposure	Observation
Ethanolamine	Eyes	Severe irritant	Rabbit	-		-
	Skin	Moderate irritant	Rabbit	-		-

#### **Conclusion/Summary**

**Skin** : Causes skin irritation.  
**Eyes** : Causes serious eye irritation. Classification based on Regulation (EC) No. 1272/2008 [CLP] bridging principles  
**Respiratory** : Non-irritating to the respiratory system.

#### Sensitization

#### **Conclusion/Summary**

**Skin** : May cause an allergic skin reaction.  
**Respiratory** : Not sensitizing

#### Mutagenicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Reproductive toxicity

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### **Teratogenicity**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

None of the components are listed.

### **Specific target organ toxicity (repeated exposure)**

None of the components are listed.

### **Aspiration hazard**

None of the components are listed.

**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** : Causes 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: irritation, redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following: irritation, redness  
**Ingestion** : No specific data.

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

#### **Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### **Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

### **Potential chronic health effects**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

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

## **SECTION 12: Ecological information**

### 12.1 Toxicity

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### 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
Ethanolamine	-1.31	-	low

### 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

The substances used in this mixture are neither a PBT- or a vPvB substance

## 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 minimized 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.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized 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 spilled 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>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.3 Transport hazard class(es)</b>	Not regulated.	Not regulated.	-	-
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5. Environmental hazards</b>	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 authorization

##### 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

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

#### Ozone depleting substances (1005/2009/EU)

None of the components are listed.

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

None of the components are listed.

**Seveso III Directive**

This product is not controlled under the Seveso Directive.

**National regulations**

**Remark** : No additional remark.

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

**Chemical Weapons Convention List Schedule I Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule II Chemicals**

None of the components are listed.

**Chemical Weapons Convention List Schedule III Chemicals**

None of the components are listed.

**Montreal Protocol**

None of the components are listed.

**Stockholm Convention on Persistent Organic Pollutants**

**Annex A - Elimination - Production**

None of the components are listed.

**Annex A - Elimination - Use**

None of the components are listed.

**Annex B - Restriction - Production**

None of the components are listed.

**Annex B - Restriction - Use**

None of the components are listed.

**Annex C - Unintentional - Production**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

**Rotterdam Convention on Prior Informed Consent (PIC) - Industrial**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide**

None of the components are listed.

**Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide**

None of the components are listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

**Heavy metals - Annex 1**



None of the components are listed.

**POPs - Annex 1 - Production**

None of the components are listed.

**POPs - Annex 1 - Use**

None of the components are listed.

**POPs - Annex 2**

None of the components are listed.

**POPs - Annex 3**

None of the components are listed.

**Inventory list**

<b>Australia</b>	:	Not determined.
<b>Canada</b>	:	Not determined.
<b>China</b>	:	Not determined.
<b>Europe</b>	:	Not determined.
<b>Japan</b>	:	<b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	:	Not determined.
<b>Philippines</b>	:	Not determined.
<b>Republic of Korea</b>	:	Not determined.
<b>Taiwan</b>	:	Not determined.
<b>Thailand</b>	:	Not determined.
<b>Turkey</b>	:	Not determined.
<b>United States</b>	:	Not determined.
<b>Viet Nam</b>	:	Not determined.

**15.2 Chemical Safety Assessment** : Not applicable

**SECTION 16: Other information**

<b>Abbreviations and acronyms</b>	:	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
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**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

<b>Classification</b>	<b>Justification</b>
Eye Dam./Irrit. 2, H319	On basis of test data
Skin Corr./Irrit. 2, H315	Calculation method
Aquatic Chronic 3, H412	Calculation method

**Full text of abbreviated H statements**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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

Acute Tox. 4	ACUTE TOXICITY
Aquatic Acute 1	AQUATIC HAZARD (ACUTE)
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM)
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM)
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION
Skin Corr. 1B	SKIN CORROSION/IRRITATION
Skin Irrit. 2	SKIN CORROSION/IRRITATION
Skin Sens. 1A	SKIN SENSITIZATION
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

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