SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Comission Regulation (EU) No 2020/878 of 18 June 2020

SOAP BASE "LOW SWEAT WHITE"

Version : 01

Date of revision: -

Date of issue: **31.01.2023**

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

1.1. Product identifier

SOAP BASE "LOW SWEAT WHITE"

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

Soap base for cosmetics formulations.

1.3. Details of the supplier of the safety data sheet

Responsible person:

Eulenhofer Seifen, Erika Hock
Stuttgarter Str. 163, 73066 Uhingen
Deutschland | Tel.: +49 7161 9886760
office@dereulenhof.de | www.dereulenhof.de

1.4. Emergency telephone number

EU:112

Eulenhofer Seifen: +49 7161 9886760
(Geschaeftszeiten; kein 24-h-Notruf)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition	Mixture
Classification according to regulation (EC) No 1272/2008:	**Eye Irrit. 2, Serious eye damage/eye irritation, Hazard Category 2; H319 Causes serious eye irritation.**

2.2. Label elements

According to regulation (EC) No 1272/2008:

Symbol:	
Signal word:	Warning
Hazard statements:	H319 Causes serious eye irritation.
Hazardous ingredients:	Alcohols, C12-14, ethoxylated, sulfates, sodium salts.

Precautionary statements:	P102 Keep out of reach of children. P264 Wash affected body parts thoroughly after handling. P280 Wear protective gloves/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE/doctor/physician if you feel unwell.
Supplemental label elements:	Not applicable.
Detergent declaration according to regulation (EC) 648/2004 on detergents:	≥ 15 % ≤30 % Soap; ≥5 % ≤15 % Anionic surfactants.
Special packaging requirements	
Containers to be fitted with child-resistant fastenings:	No, not applicable.
Tactile warning of danger**:**	No, not applicable.

2.3. Other hazards

Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

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

SECTION 3: Composition/information on ingredients

3.1. Substances Not applicable.

3.2. Mixtures **Product based on below mentioned ingredients:**

Ingredient name	Identifiers	Conc. %	Classification according to Regulation (EC) 1272/2008 (CLP)
Aqua [WATER]	CAS no.: 7732-18-5 EC no.: 231-791-2 REACH reg. no.: Not applicable	25-35	Not Classified
Propane-1,2-diol [PROPYLENE GLYCOL]	CAS no.: 57-55-6 EC no.: 200-338-0 REACH reg. no.: 01-2119456809-23-xxxx	14-18 [2]	Not Classified
Octadecanoic acid [STEARIC ACID]	CAS no.: 57-11-4 EC no.: 200-313-4 REACH reg. no.: 01-2119543894-28-xxxx	11-16	Not Classified
D-glucitol [SORBITOL]	CAS no.: 50-70-4/ 1259528-21-6 EC no.: 200-061-5 REACH reg. no.: Not applicable	10-15	Not Classified
Alcohols, C12-14, ethoxylated,	CAS no.: 68891-38-3	>5-<10	Skin Irrit. 2, H315

sulfates, sodium salts [SODIUM LAURETH SULFATE]	EC no.: 500-234-8 REACH reg. no.: 01-2119488639-16-xxxx	[1] [2]	Eye Dam. 1, H318 Aquatic Chronic 3, H412 ***Specific concentration limits:*** *Eye Irrit. 2 >= 5 - < 10%* *Eye Dam. 1 >= 10%*
Sucrose [SUCROSE]	CAS no.: 57-50-1 EC no.: 200-334-9 REACH reg. no.: Not applicable	5-10	Not Classified
Dodecanoic acid [LAURIC ACID]	CAS no.: 143-07-7 EC no.: 205-582-1 REACH reg. no.: 01-2119538184-40-xxxx	3-7 [1] [2]	Eye Dam. 1, H318 ***Specific concentration limits:*** *Eye Dam. 1 >= 70%* *(https://echa.europa.eu/lv/registration-dossier/-/registered-dossier/15262/7/4/1)*
Glycerol [GLYCERIN]	CAS no.: 56-81-5 EC no.: 200-289-5 REACH reg. no.: 01-2119471987-18-xxxx	3-5 [2]	Not Classified
Sodium hydroxide [SODIUM HYDROXIDE]	CAS no.: 1310-73-2 EC no.: 215-185-5 REACH reg. no.: 01-2119457892-27-xxxx	2,5-3,5 [1] [2]	Skin Corr. 1A, H314 ***Specific concentration limits:*** *Skin Corr. 1A; H314: C ≥ 5 %* *Skin Corr. 1B; H314 2 % ≤ C < 5 %* *Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %* *Eye Irrit.2; H319: 0,5 % ≤ C < 2 %*
Sodium chloride [SODIUM CHLORIDE]	CAS no.: 7647-14-5 EC no.: 231-598-3 REACH reg. no.: 01-2119485491-33-xxxx	0,5-1,5 [2]	Not Classified
Titanium Dioxide [TITANIUM DIOXIDE]	CAS no.: 13463-67-7 EC no.: 236-675-5 Index no.: 022-006-00-2 REACH reg. no.: 01-2119489379-17-xxxx	0,1-0,5 [1] [2]	Carc. 2, H351 [NOTE 10] (dust - inhalation)
	CAS no.: 7772-98-7 / 10102-17-7		

Sodium Thiosulfate [SODIUM THIOSULFATE]	EC no.: 231-867-5 / - REACH reg. no.: 01-2119531537-38-xxxx	>0,1-<0,2	Not Classified
Etidronic acid [ETIDRONIC ACID]	CAS no.: 2809-21-4 EC no.: 220-552-8 REACH reg. no.: 01-2119510391-53-xxxx	>0,1-<0,2 [1]	Met. Corr. 1, H290 Eye Dam. 1, H318 Acute Tox. 4, H 302

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
See section 16 for the full text of the H phrases declared above.
Occupational exposure limits, if available, are listed in section 8.

Type:

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] PBT-substance
[4] vPvB-substance
[5] SEVESO Substance
[6] Nanoforms - substances according to (EC) No 1907/2006, Annex VI
[7] Endocrine disruptors - substances with endocrine disrupting properties according to (EC) No. 1907/2006, Article 59, paragraph 10, list of substances of particularly dangerous candidate list for licensing -SVHC - (https://echa.europa.eu/lv/candidate-list-table)
[8] M factor
[9] Perfume ingredient

[Note 10]

The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. If feeling unwell, get medical attention.

Skin contact: Wash thoroughly with water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If symptoms develops, get medical attention.

Eye contact: Immediately get medical attention. 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.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor, if feeling unwell. 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. Never give anything by mouth to an unconscious person. If unconscious, place in

recovery position and get medical attention immediately. Maintain an open airway.

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

Inhalation:	None expected at ambient temperature.
Skin contact:	Prolonged contact may cause temporary skin irritation. Adverse symptoms may include the following: irritation (inflamed skin); bumps, spots or blisters; redness; dry, cracked skin; leathery or scaly patches.
Eye contact:	Causes serious eye irritation. Symptoms may include: pain or irritation, watering, swelling, redness; vision changes.
Ingestion:	No known significant effects or critical hazards.

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

Specific treatments: Treat symptomatically.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	Full power water jet.

5.2. Special hazards arising from the substance or mixture

Risk of explosion if heated under confinement. In a fire or if heated, a pressure increase will occur and the container may burst.

Decomposition products may include the following materials: carbon dioxide, carbon monoxide and unidentified organic and inorganic compounds.

5.3. Advice for firefighters

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. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency	No action shall be taken involving any personal risk or without suitable

personnel:	training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. High risk of slipping due to leakage/spillage of melted product. Avoid contact with eye.
6.1.2. For emergency responders:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures. High risk of slipping due to leakage/spillage of melted product. Avoid contact with eye.

6.2. Environmental precautions

Prevent spread over a wide area undiluted. Do not discharge undiluted into the drains/surface waters/groundwater. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Spills should be collected in containers. If spilled areas are of molten liquefied soap, wash with water; collect waste water for approved disposal. Dispose of product in suitable containers, as directed in section 13.

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.

7.1. Precautions for safe handling

Protective measures:	Put on appropriate personal protective equipment (see Section 8). Avoid getting in eyes or on skin or clothing. Avoid breathing vapour. Avoid ingesting. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Prevent spills and leakages of melted product to avoid slip hazard. Observe strict hygiene.
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

Storage: 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. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Protect against sun/light.

Do not store above the following temperature: > 50 °C

7.3. Specific end use(s)

Recommendations: Soap.
Customer use.

Industrial sector specific solutions: Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance.

8.1. Control parameters

Occupational exposure limits: Limit values are laid down throughout the EU, but each Member State establishes its own national OELs, often going beyond EU legislation (IOELV). OELs are set by competent national authorities and other relevant institutions.

EU: Indicative Occupational Exposure Limit Value (IOELV):

Substance name	Limit value 8 hours		Limit value short term
	mg/m³	ppm	mg/m³
Values not established	-	-	-

Latvia (AER, reg.325/2011):

Substance name	Limit value 8 hours		Limit value short term
	mg/m³	ppm	mg/m³
Propylene glycol (1,2-propanediol)	**7**	**-**	**-**
Sodium chloride	**5**	-	-
Titanium dioxide	**10**	-	-
Synthetic detergents	**5**	-	-
Sodium hydroxide	**0.5**	-	-

Germany, TRGS 900:

Substance name	Limit value 8 hours		Limit value short term
	mg/m³	ppm	mg/m³
Values not established	-	-	-

United Kingdom EH40/2005:

Substance name	Limit value 8 hours		Limit value short term
	mg/m³	ppm	m-g/m³
Glycerin, mist	**10**	-	-
Propane-1,2-diol Total vapour and particulates	**474** **10**	**150** -	- -
Titanium dioxide	**10** (inhalable fraction) **4** (respirable fraction)	- -	- -
Lauric Acid	**10** (inhalable fraction) **4** (respirable fraction)	- -	- -

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 European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2. Exposure controls

Appropriate engineering Controls: Good general ventilation should be sufficient.

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: goggles with side shields.

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.

Body protection Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved

by a specialist before handling this product.

Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls:

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Solid opaque mass
Colour	Whitenish
Odour	Characteristic, light soap odour.
Odour threshold	Not applicable.
PH, 1% water solution, +20 ^{o}C	9.3-10.5
Melting point, ^{o}C	> 55
Freezing point, ^{o}C	< 0
Boiling Point, ^{o}C	~ 100
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not flammable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	Miscible with water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not available.

9.2. Other information

Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

High temperatures, oxidizing conditions.

10.5. Incompatible materials

Strong acids, Isocyanates, strong oxidizing agents.

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

Acute toxicity: **Product is not classified.**

Substance/ Mixture name	Result	Species	Dose	Note
Octadecanoic acid, sodium salt [SODIUM STEARATE] (derived ingredient in soap base by neutralizing stearic acid with sodium hydroxide).	LD50 Oral	Rat	> 5 000 mg/kg bw	-
Alcohols, C12-14, ethoxylated, sulfates, sodium salts [SODIUM LAURETH SULFATE]	LD50 Oral	Rat	4 100 mg/kg bw	-
	LD50 Dermal	Rat	>= 2 000 mg/kg bw	-
Titanium Dioxide [TITANIUM DIOXIDE]	LD50 Oral	Rat	> 2 000 mg/kg bw	-
	LC50 Inhalation	Rat	5.09 mg/L air	4 h

Irritation/ Corrosion: **Eye Irrit. 2, H319**

Substance/ Mixture name	Effect	Species	Dose	Exposure
Alcohols, C12-14, ethoxylated, sulfates, sodium salts [SODIUM LAURETH SULFATE]	Skin - Irritating	Rabbit	0,5 g	4 h
	Eyes - Irritating	Rabbit	0,1 mL	Single application
Dodecanoic acid, sodium salt [SODIUM LAURATE] (derived ingredient in soap base by neutralizing lauric acid with sodium hydroxide).	Skin -Severe irritation	Rat	-	24 h
	Eyes – Corrosive	-	-	-

Substance/ Mixture name	Irritation parameter	Time point	Score	Max. score	Reversibility
Alcohols, C12-14, ethoxylated, sulfates, sodium salts [SODIUM LAURETH SULFATE]	erythema score	24/48/72 h	3,2	4	Fully reversible
	edema score	24/48/72 h	3,2	4	Fully reversible
	cornea opacity	24/48/72 h	0,5	4	Not fully reversible

	score				within: 72 h
	iris score	24/48/72 h	0,4	2	Not fully reversible within: 72 h
	conjunctivae score	24/48/72 h	0,9	3	Not fully reversible within: 72 h
	chemosis score	24/48/72 h	0,8	4	Not fully reversible within: 72 h

Sensitisation: **Product is not classified.**
No known effect according to our database.

Repeated dose toxicity: **Product is not classified.**
No known effect according to our database.

Carcinogenicity: **Product is not classified.**

Mutagenicity: **Product is not classified.**
No known effect according to our database.

Toxicity for reproduction: **Product is not classified.**
No known effect according to our database.

Specific target organ toxicity. Single exposure: Product is not classified.

Substance/ Mixture name	Effect
Dodecanoic acid, sodium salt [SODIUM LAURATE] (derived ingredient in soap base by neutralizing lauric acid with sodium hydroxide).	Inhalation - May cause respiratory irritation.

Specific target organ toxicity. Repeated exposure: Product is not classified.
No known effect according to our database.

Aspiration hazard: **Product is not classified.**
No known effect according to our database.

Potential acute health effects

Inhalation: None expected at ambient temperature.
Skin contact: Prolonged contact may cause temporary skin irritation.
Eye contact: Causes serious eye irritation.
Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No known significant effects or critical hazards.
Skin contact: Irritation (inflamed skin); bumps, spots or blisters; redness; dry, cracked skin; leathery or scaly patches.
Eye contact: Pain or irritation, watering, swelling, redness; vision changes.
Ingestion: No known significant effects or critical hazards.

Potential chronic health effects:

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Conclusion/Summary	Not available.
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

11.2. Information on other hazards

Not available.

SECTION 12: Ecological information

12.1. Toxicity

Product is not classified.

Substance/ Mixture name	Species	Effect	Exposure	Result
Octadecanoic acid, sodium salt [SODIUM STEARATE] (derived ingredient in soap base by neutralizing stearic acid with sodium hydroxide).	Fish - Danio rerio	LC50	96 h	46 mg/L
	Crustaceans - Daphnia magna	EC50	24 h	40 mg/L
	Algae and cyanobacteria - Desmodesmus subspicatus	EC50	96 h	120 mg/L
	Microorganisms - Pseudomonas putida	EC10	30 min	850 mg/L
Alcohols, C12-14, ethoxylated, sulfates, sodium salts [SODIUM LAURETH SULFATE]	Fish - Danio rerio	LC50	96 h	7.1 mg/L
	Fish - Oncorhynchus mykiss	NOEC	28 d.	0.2 mg/L
	Crustaceans - Daphnia magna	EC50	48 h	7.4 mg/L
	Crustaceans - Daphnia magna	NOEC	21 d	0.27 mg/L
	Algae and cyanobacteria - Desmodesmus subspicatus	EC50	72 h	27.7 mg/L
	Microorganisms - Pseudomonas putida	EC50	16 h	> 10 g/L
Dodecanoic acid, sodium salt [SODIUM LAURATE] (derived ingredient in soap base by neutralizing lauric acid with sodium hydroxide).	Fish - Danio rerio	LC50	4 d.	> 10 mg/l
	Crustaceans - Daphnia magna	EC50	24 h	12 mg/l

12.2. Persistence and degradability

Substance/ Mixture name	CAS no.	Degrability	Guidelines/ Test method
Octadecanoic acid, sodium salt [SODIUM STEARATE] (derived ingredient in soap base by neutralizing stearic acid with sodium hydroxide).	822-16-2	Readily biodegradable. Degradation (DOC removal), 28 d.: 86%	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts [SODIUM LAURETH SULFATE]	68891-38-3	Readily biodegradable. Degradation (O2 consumption), 28 d.: >= 77 %	67/548/EEC method, Annex V.C.4-E (closed Bottle)/ 301 D: Closed Bottle

12.3. Bioaccumulative potential

Substance/ Mixture name	Effect
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Low potential for bioaccumulation: log Kow <=3.

[SODIUM LAURETH SULFATE]	
Dodecanoic acid, sodium salt [SODIUM LAURATE] (derived ingredient in soap base by neutralizing lauric acid with sodium hydroxide).	Bioconcentration factor (BCF): 234

12.4. Mobility in soil

No known significant effects or critical hazards.

12.5. Results of PBT and vPvB assessment

Product (and ingredients) does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

12.6. Endocrine disrupting properties

No known significant effects or critical hazards.

12.7. Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1. Waste treatment methods

Product:

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Small Avoid dispersal of undiluted spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: Within the present knowledge of the supplier, this product is regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

European waste catalogue (EWC): 20 01 29* Detergents containing dangerous substances.

Packaging:

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Can be added to general waste collection after completely emptying. Incineration or landfill should only be considered when recycling is not feasible.
Within the present knowledge of the supplier, packaging is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

SECTION 14: Transport information

This **preparation is not classified** as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

International transport regulations:

	ADR/RID	ADN	IMDG	IATA
14.1. UN number or ID number	None	None	None	None
14.2. UN proper shipping name	None	None	None	None
14.3. Transport hazard class(es)	None	None	None	None

14.4. Packing group	None	None	None	None
14.5. Environmental hazards	None	None	None	None
14.6. Special precautions for user	None	None	None	None

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

SECTION 15: Regulatory information

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

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road, concluded at Geneva on 30 September 1957, as amended.

RID - the Regulations concerning the International Carriage of Dangerous Goods by Rail, appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF) concluded at Vilnius on 3 June 1999, as amended.

ADN - the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways concluded at Geneva on 26 May 2000, as amended.

IMDG Code - International Maritime Dangerous Goods Code.

IATA/ICAO: ICAO - International Civil Aviation Organization. IATA - International Air Transport Association.

MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

Annex XIV - List of substances subject to authorization:	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.

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Abbreviations and acronyms:

Full text of abbreviations

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: International Rule for Transport of Dangerous Substances by Railway
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

CAS: Chemical Abstracts Service
EINECS: European Inventory of Existing Commercial ChemicalSubstances
LC50: Median lethal concentration
LD50: Median lethal dose
EC50: half maximal effective concentration
REACH: Registration, Evaluation and Authorisation of Chemicals
PBT: Persistent, bio-accumulative and toxic
vPvB: Very persistent, very bio-accumulative
b.w.: Body weight.

Full text of classifications and H statements [CLP/GHS]:	Skin Corr. 1A, Skin corrosion/irritation, Hazard Category 1A; H314 Causes severe skin burns and eye damage. Skin Corr. 1B, Skin corrosion/irritation, Hazard Category 1B; H314 Causes severe skin burns and eye damage. Met. Corr. 1, Corrosive to metals, Hazard Category 1; H290 May be corrosive to metals. Acute Tox. 4, Acute toxicity, Hazard Category 1; H 302 Harmful if swallowed. Skin Irrit. 2, Skin corrosion/irritation, Hazard Category 2; H315 Causes skin irritation. Eye Dam. 1, Serious eye damage/eye irritation, Hazard Category 1; H318 Causes serious eye damage. Eye Irrit. 2, Serious eye damage/eye irritation, Hazard Category 2; H319 Causes serious eye irritation. Carc. 2, Carcinogenicity, Hazard Category 2; H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard>. Aquatic Chronic 3, Long-term (chronic) aquatic hazard, Category 3; H412 Harmful to aquatic life with long lasting effects.
Product classification according to Regulation (EC) 1272/2008 (CLP)	**Eye Irrit. 2, H319 – calculation method.**
Training advice:	In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

DISCLAIMER OF LIABILITY:

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END OF SAFETY DATA SHEET