



SAFETY DATA SHEET

conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP)
and Commission Regulation EU No. 2015/830

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1. 1	Product identifier	
	Product name:	ZENISOAPBASE Swirl-C / ZENISOAPBASE Swirl-W
	Registration number:	not required, the product is a mixture, not a compound
	Other means of identification:	not set
1. 2	Relevant identified uses of the substance or mixture and uses advised against	
	Identified uses:	base for cosmetic soaps
	Uses advised against:	not set
1. 3	Details of the supplier of the safety data sheet	
		The Soap Kitchen Unit 8 Caddsdawn Industrial Park, Clovelly Road, Bideford, Devon EX39 3DX Tel: 01237 420872 (+44 (0)1237 420872) Email: it@thesoapkitchen.co.uk

SECTION 2: HAZARDS IDENTIFICATION

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General classification of the mixture: the mixture is classified as hazardous in accordance to Regulation 1272/2008/EC (CLP).		
	Important health effects:	Direct contact with eyes may cause serious eye damage. Irritating to skin. Prolonged or repeated contact with the skin can cause drying and defatting of the skin. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea. Attention in case of vomiting - acute danger of suffocating produced by foaming ingredients.
	Important environmental effects:	Based on composition, no adverse effects in the environment are expected for the mixture; therefore the mixture is not considered as dangerous for the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
2.	Classification of the substance or mixture	
1	Classification (1272/2008/EC)	Skin Irrit. 2 Skin corrosion/irritation, category 2 H315 Causes skin irritation. Eye Dam. 1 Serious eye damage/eye irritation, category 1 H318 Causes serious eye damage.
2.	Label elements	
2	Contains:	Alcohols, C12-14, ethoxylated, sulfates, sodium salts; Sodium laurate

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Hazard pictograms:				
Signal word:	DANGER			
Hazard statements:	H315 Causes skin irritation. H318 Causes serious eye damage.			
Supplemental hazard information:	not required			
Supplemental label elements for certain mixtures:	not required			
Precautionary statements:	P101 If medical advice is needed, have product container or label at hand P102 Keep out of reach of children P280 Wear protective gloves / eye protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.			
Other required labeling:	not required			
2. Other hazards				
3	Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; the substances in the mixture are not included in the Candidate List of SVHC. Contaminated surfaces may be slippery.			

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.	Substances				
1	does not apply				
3.	Mixtures				
2	Substances presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List:				
Substance <i>REACH Registration number</i>	Content (% w/w)	EC Number CAS Number Index Number	Classification 1272/2008/EC*	Exposure limits	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts <i>REACH 01-2119488639-16-XXXX</i>	5 - 10	500-234- 8 68891- 38-3 -	Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 3	H315 H318 H412	-
Sodium laurate <i>REACH No. not available yet</i>	5 - 10	211-082- 4 629-25-4 -	Skin Irrit. 2 Eye Dam. 1	H315 H318	-
Alcohols, C10-16, ethoxylated, sulfosuccinates, disodium salts <i>REACH No. not available yet</i>	1 - 5	500-232- 7 68815- 56-5 -	Eye Irrit. 2	H319	-
Disodium dihydrogen ethylenediaminetetraacetate (EDTA) <i>REACH No. not available yet</i>	< 0,1	205-358- 3 139-33-3 -	Acute Tox. 4 STOT RE 2	H332 H373	-

* For full wording of used classification abbreviations and Hazard Statements (H-phrases) see Section 16.

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Other compounds					
Other substances not presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008, without a Community workplace exposure limit, not classified as PBT/vPvB or included in the Candidate List:					
Substance <i>REACH Registration number</i>	Content (% w/w)	EC Number CAS Number Index Number	Classification 1272/2008/EC*		Exposure limits
Glycerol <i>REACH No. not available yet</i>	20 - 30	200-289- 5 56-81-5 -	<i>substance not classified as hazardous</i>	-	Exp. limit (national) see 8.1
Propylene glycol (<i>propan-1,2-diol</i>) <i>REACH: 01-2119456809-23-0012</i>	10 - 25	200-338- 0 57-55-6 -	<i>substance not classified as hazardous</i>	-	-
Sodium stearate <i>REACH No. not available yet</i>	10 - 25	212-490- 5 822-16-2 -	<i>substance not classified as hazardous</i>	-	-
Sorbitol <i>REACH No. not available yet</i>	10 - 25	200-061- 5 50-70-4 -	<i>substance not classified as hazardous</i>	-	-
colloidal silica <i>REACH 01-2119379499-16-xxxx</i>	0 - 1	231-545- 4 7631-86- 9	<i>not classified as hazardous</i>	-	-

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SECTION 4: FIRST AID MEASURES	
4. Description of first aid measures	
1	Observe all user considerations and safety measures stated on the packaging. Effects of over exposure: There are no hazards under normal use conditions. In case of any health problem or uncertainty seek medical attention and provide information from this Material Safety Data Sheet. Unconscious persons place in the stabilized position and observe the breathing. Never give any fluids to unconscious persons.
Inhalation:	Inhalation of vapours / aerosols is not expected to cause any adverse effects. In case of individual problems following the aerosols inhalation, remove the affected persons to a fresh air. Administer oxygen or artificial respiration if there is difficulty breathing; until medical attendance. Seek medical advice if the symptoms persist.
Skin contact:	Remove all soiled or stained clothing. Wash the affected area immediately and repeatedly with soap and water. Seek medical advice if the skin irritation persists.
Eye contact:	Keep eyelids open and rinse immediately and repeatedly with copious amount of water for at least 5 - 10 minutes. Remove contact lenses if present. Seek medical advice (preferable an ophthalmologist) if the irritation persists.
Ingestion:	Wash mouth with water; give some water to drink (only if the affected person is conscious). Do not induce vomiting! In case of spontaneous vomiting avoid aspiration of the vomits. Get medical attention if symptoms persist and show this Material Safety Data Sheet, product package or label!

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4.2	Most important symptoms and effects, both acute and delayed Direct contact with eyes may cause serious eye damage. Irritating to skin. Prolonged or repeated contact with the skin can cause drying and defatting of the skin. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea. Attention in case of vomiting - acute danger of suffocating produced by foaming ingredients.
4.3	Indication of any immediate medical attention and special treatment needed No specific therapy known. Use supportive and symptomatic treatment. Use of antifoaming agents (e.g. simethicon) can be useful.

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SECTION 5: FIREFIGHTING MEASURES

5.1	Extinguishing media	
	Suitable extinguishing media:	water spray, foam, dry-powder, carbon dioxide
	Unsuitable extinguishing media:	direct water stream
5.2	Special hazards arising from the substance or mixture	
		Non-flammable - water solution. Upon water evaporation - incomplete combustion and high-temp thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes and other products of organic compounds decomposition, sulphur oxides etc.).
5.3	Advice for fire-fighters	
		<u>Fire Fighting Procedures:</u> Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Fight fire from protected location or safe distance. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. <u>Special Protective Equipment for Firefighters:</u> Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6. Personal precautions, protective equipment and emergency procedures

1 Observe all user considerations and safety measures. No special requirements are needed under normal use conditions. Avoid contact with skin, eyes and mucous membranes. According to the release scale, use appropriate other personal protection (gloves, mask, protective clothes, see Section 8). All unprotected persons should be restraint. Do not inhale vapours or decomposition products. Ensure adequate ventilation in closed areas. Contaminated surfaces may be slippery - cover with sand, earth etc. or wash with large amount of water. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

6. Environmental precautions

2 Stop leak if you can do so without risk. Confine the spill immediately with booms. Avoid entering soil, drains, surface- and ground-waters. Possible adverse effects in the environment can be mitigated with appropriate dilution with large amount of water. In case of serious leakage inform appropriate authorities.

6. Methods and materials for containment and cleaning up

3 Suck-up, soak up the rests with inert absorbent material (sand, diatomite, kaolin, vapex...). Collect in suitable and properly labeled containers. Dispose according to valid legislation; send to wastes treatment facility (see section 13). Clean up affected areas with lots of water.

6. Reference to other sections

4 Adhere to instructions in the section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7. Precautions for safe handling

1 Observe all user considerations and safety measures. No special requirements are needed under normal use conditions. Avoid contact

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with eyes and mucous membranes. Avoid long-term contact with skin. Avoid eating, drinking, and smoking during handling. See Section 8 for advice on the minimum requirements for personal protective equipment. Avoid breathing vapours or decomposition products. Ensure appropriate ventilation during handling.

7. Conditions for safe storage, including any incompatibilities

2 Store in tightly closed original packages or other appropriately labeled and tightly closed containers. Keep away from direct sunlight and heat sources. Protect from freezing. Minimal/maximal storage temperature: 5 - 30°C. Store away from oxidative compounds and strong acids. Keep out of the reach of children. Keep away from food, beverages and forage.

7. Specific end uses

3 not specified

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8. Control parameters

1 Exposure limits (Regulation 300/2007 Coll. (SK), Appendix 1):

CAS	Substance name	NPEL
56-81-5	glycerol	NPEL average: 10 mg.m ⁻³ NPEL short-time: -

Indicative biological limits: not set

Indicative occupational exposure limit ES (2000/39/EC, Directive 2006/15/EC, Directive 2009/161/EC and Directive 2017/164/EC): not set

CAS	Substance name	OEL
-	-	-

Other recommended values: not set

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CAS	Substance name	OEL - equivalents
-	-	-
DNEL: not set for the mixture. Compounds:		
<u>Propylene glycol</u>		
<i>End Use: Workers</i>		
routes of exposure: inhalation, long term, systemic effects: 168 mg/m ³		
routes of exposure: inhalation, long term, local effects: 10 mg/m ³		
<i>End Use: General Population</i>		
routes of exposure: inhalation, long term, systemic effects: 50 mg/m ³		
routes of exposure: inhalation, long term, local effects: 10 mg/m ³		
<u>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</u>		
<i>End Use: Workers</i>		
routes of exposure: inhalation, long term, systemic effects: 175 mg/m ³		
routes of exposure: dermal, long term, systemic effects: 2750 mg/kg bw x day		
<i>End Use: General Population</i>		
routes of exposure: inhalation, long term, systemic effects: 52 mg/m ³		
routes of exposure: dermal, long term, systemic effects: 1650 mg/kg bw x day		
routes of exposure: oral, long term, systemic effects: 15 mg/kg tel. bw x day		
PNEC: not set for the mixture. Compounds:		
<u>Propylene glycol</u>		

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	<p>fresh water: 260 mg/l, assessment factor - 50 sea water: 26 mg/l, assessment factor - 500 water, intermittent releases: 183 mg/l, assessment factor -100 fresh water sediment: 572 mg/kg dw sea sediment: 57.2 mg/kg dw soil: 50 mg/kg dw sewage treatment plant: 20000 mg/l, assessment factor -1 food / oral intake: 1133 mg/kg, assessment factor -30</p> <p><u>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</u></p> <p>fresh water: 0,24 mg/l sea water: 0,024 mg/l sewage treatment plant: 10000 mg/l fresh water sediment: 5,45 mg/kg sea water sediment: 0,545 mg/kg soil: 0,946 mg/kg</p>	
8.2	<p>Exposure controls</p> <p>Ensure exposure controls in accordance with the Act 124/2006 Coll. (SK) on Occupational Safety and Health Protection. Adhere to Gov. Direction SR No. 355/2006 Z.z., as of later amendments of Gov. Direction SR No. 471/2011 Z.z..</p>	
	<p><u>Appropriate engineering controls:</u></p> <p>Avoid contact with skin, eyes and mucous membranes. Ensure adequate ventilation. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Personal protective equipment selections vary based on potential exposure conditions</p>	

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such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Individual protection measures, such as personal protective equipment:

a) Eye / face protection

Always use safety glasses with side shields or full-face shield (EN 166). Chemical type goggles should be worn during misting operations.

b) Skin protection:

Always use chemical-resistant gloves when manipulating the mixture. If contact with forearms is likely, wear gauntlet-style gloves. CEN standards EN 420 and EN 374 provide general requirements and lists of glove types. Recommended materials: polyvinylchloride (PVC) > 0.7 mm coating thickness, chloroprene rubber > 0.5 mm coating thickness; nitrile rubber (NBR) > 0.4 mm coating thickness. Protective index 6, corresponding > 480 minutes of permeation time according to EN 374. Always immediately replace worn or damaged gloves

Note: Glove suitability and breakthrough time will differ depending on the specific use conditions, such as other chemicals, physical factors (risk of cutting / tearing, thermal damage). Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves.

c) Respiratory protection:

No special requirements are needed under normal use conditions. Do not inhale vapours or aerosols. Ensure appropriate ventilation or exhaustion at the workplace. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements,

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if applicable. Types of respirators to be considered for this material include: half-face organic vapours / particle filter respirator, type A/P2 filter (European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 (STN EN 14387+A1) provide filter recommendations). Remember that the filter use is time-limited. Always observe manufacturers recommendation.

d) Thermal hazards:

No such risk when normally used.

Environmental exposure controls:

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

All storage and manipulation areas have to be equipped for the sanitation of possible leakage. See information in sections 6 and 12. Adhere to requirements of the Act No. 137/2010 Coll. on air protection (*Air Act*) as amended and the Act No. 364/2004 Coll. on waters (*Water Act*) as amended.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9. 1	Information on basic physical and chemical properties		
	Properties	value	method / condition
	Appearance:	solid	20°C
	Colour:	clear (Swirl C) / white (Swirl W)	-
	Odour:	characteristic, mild	-
	Odour threshold:	information not available	-
	pH:	information not available	-
	Melting point/freezing point:	information not available	-
	Initial boiling point and boiling range:	information not available	-
	Flash point:	information not available	-
	Evaporation rate:	information not available	-
	Flammability (solid, gas)	information not available	-
	Upper/lower flammability or explosive limits:	information not available	-
	Vapour pressure:	information not available	-
	Vapour density:	information not available	-

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	Relative density:	information not available	-
	Solubility/ies:	soluble in water	water, 20°C
	Partition coefficient: n-octanol/water:	information not available	-
	Auto-ignition temperature:	information not available	-
	Decomposition temperature:	information not available	-
	Viscosity:	information not available	-
	Explosive properties:	not explosive	-
	Oxidising properties:	no oxidative properties	-
9.	Other information		
2	-	-	-

SECTION 10: STABILITY AND REACTIVITY

10	Reactivity
.1	The mixture is not reactive under normal conditions of storage and use.
10	Chemical stability
.2	Mixture is chemically stable under normal conditions of storage and use. Overheating may cause thermal decomposition.
10	Possibility of hazardous reactions
.3	Not known.
10	Conditions to avoid
.4	Stable under normal conditions. Keep away from direct sunlight and heat sources. Protect from freezing.

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10	Incompatible materials
.5	Strong oxidative compounds, acids and alkalis.

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10 Hazardous decomposition products

- .6 Material does not decompose at ambient temperatures. If fire is involved: upon water evaporation - incomplete combustion and high-temp thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes and other products of organic compounds decomposition, sulphur oxides etc.).

SECTION 11: TOXICOLOGICAL INFORMATION

11 Information on toxicological effects

- .1 The mixture was not toxicologically tested; classification is based on the conventional calculation method. Information on toxic effects is based on the effects of compounds.

Note: this product and contained raw materials are in full compliance with the European Cosmetics Regulation (EC) N° 1223/2009 relating to perfumery and cosmetic products and that they have not been tested on animals. No animal tests on the finished product, its prototype or on any of the ingredients contained in the finished product or its prototype have been commissioned either in European Union or outside the European Union. All data mentioned below are readings from the scientific literature.

- a) *Acute toxicity*
Based on available data, the classification criteria are not met. Based on composition, no acute toxic effects are expected in applicable amounts.

Propylene glycol

LD50, oral toxicity, rat: > 22000 mg.kg⁻¹ bw
LC50, dermal toxicity, rabbit: > 2000 mg.kg⁻¹ bw
LC50, inhalation toxicity, rabbit: > 317 mg/l (2 h of exposure)

Glycerine

LD50, oral toxicity, rat: 12600 mg.kg⁻¹ bw

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	<p><u>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</u> LD50, oral toxicity, rat: $\geq 2000 \text{ mg.kg}^{-1} \text{ bw}_$ LC50, dermal toxicity, rabbit: $\geq 2000 \text{ mg.kg}^{-1} \text{ bw}$</p> <p><u>Alcohols, C10-16, ethoxylated, sulfosuccinates, disodium salts</u> LD50, oral toxicity, rat: $\geq 2000 \text{ mg.kg}^{-1} \text{ bw}_$</p> <p><u>Sorbitol</u> LD50, oral toxicity, rat: $\geq 18000 \text{ mg.kg}^{-1} \text{ bw}_$</p>
b)	<p><i>Skin corrosion/irritation</i> Causes skin irritation. Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).</p>
c)	<p><i>Serious eye damage/irritation</i> Causes serious eye damage.</p>
d)	<p><i>Respiratory or skin sensitization</i> Based on available data, the classification criteria are not met. Compounds have no known sensitizing potential.</p>
e)	<p><i>Germ cell mutagenicity</i> Based on available data, the classification criteria are not met. Compounds have no potential for mutagenicity.</p>
f)	<p><i>Carcinogenicity</i> Based on available data, the classification criteria are not met. Compounds have no potential for carcinogenicity.</p>
g)	<p><i>Reproductive toxicity</i> Based on available data, the classification criteria are not met. Compounds have no potential for reproductive toxicity.</p>
h)	<p><i>STOT-single exposure</i> Based on available data, the classification criteria are not met.</p>
i)	<p><i>STOT-repeated exposure</i> Based on available data, the classification criteria are not met. Not expected to cause specific damage from prolonged or repeated exposure.</p>

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j)	<i>Aspiration hazard</i> Based on available data, the classification criteria are not met.
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SECTION 12: ECOLOGICAL INFORMATION

12 Toxicity

.1 The mixture was not ecotoxicologically tested; classification is based on conventional calculation method. Information on ecotoxic effects is based on the effects of compounds. Based on composition, no adverse effects in the environment are expected for the mixture; therefore the mixture is not considered as dangerous for the environment.

12 Persistence and degradability

.2 Information for the mixture not available.

12 Bioaccumulative potential

.3 No data for the mixture. Based on composition, bioaccumulation is not expected. The surfactants contained in this preparation 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 Mobility in soil

.4 No data for the mixture. Soluble in water (unlimited).

12 Results of PBT and vPvB assessment

.5 The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; the substances in the mixture are not included in the Candidate List of SVHC

12 Other adverse effects

.6 Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13	Waste treatment methods
----	-------------------------

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<p>.1</p>	<p>Disposal have to comply all requirements of the Act No. 79/2015 Coll. (SK) on wastes. Avoid entering soil, drains, surface- and ground-waters. Product and packages should be disposed in a certified hazardous waste facility. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use.</p> <p><u>Substance or mixture disposal methods:</u></p> <p>Proposed waste classification, based on common use:</p> <p>07 03 wastes from the MFSU of organic dyes and pigments (except 06 11)</p> <p>Waste type name: aqueous washing liquids and mother liquors</p> <p>Waste catalog code: 07 03 01</p> <p>Dangerous waste: yes</p>
	<p><u>Contaminated packages disposal methods:</u></p> <p>Dispose in accordance with the valid waste legislation. Empty packages wash with water and recycle.</p> <p>Proposed waste classification, based on common use:</p> <p>15 01 packaging (including separately collected municipal packaging waste)</p> <p>Waste type name: paper and card board packaging / plastic packaging</p> <p>Waste catalog code for empty package: 15 01 01 / 15 01 02</p> <p>Dangerous waste: no</p>
SECTION 14: TRANSPORT INFORMATION	
<p>The mixture is not classified as dangerous for transport according to ADR/RID/IMDG/ICAO/IATA.</p>	
<p>14 .1</p>	<p>UN Number: -</p>

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14 .2	UN proper shipping name			
	<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
	-	-	-	-
14 .3	Transport hazard class(es)			
	<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
	-	-	-	-
	Classification code			
	-	-	-	-
	Hazard identification number (Kemler)			
	-	-	-	-
Labels				
-	-	-	-	
14 .4	Packing group			
	<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
	-	-	-	-
14 .5	Environmental hazards: no			
14 .6	Special precautions for user: not required			
14 .7	Transport in bulk according to Annex II of MARPOL and the IBC Code: not transported			

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SECTION 15: REGULATORY INFORMATION

15 Safety, health and environmental regulations/legislation specific .1 for the substance or mixture

Relevant legislation European Union:

- Regulation (EC) No 1907/2006 of the European Parliament and of the , concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
- Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
- Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
- Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC

Relevant local legislation:

- Zákon č. 67/2010 Z.z., o podmienkach uvedenia chemických látok a chemických zmesí na trh a o zmene a doplnení niektorých zákonov (chemický zákon)
- Zákon č. 124/2006 Z. z. o bezpečnosti a ochrane zdravia pri práci a o zmene a doplnení niektorých zákonov v znení zákona č. 309/2007 Z. z.. zákona č. 140/2008 Z. z., zákona č. 132/2010 Z. z. a zákona č. 136/2010 Z. z..
- Zákon NR SR č. 355/2007 Z.z., o ochrane, podpore a rozvoji verejného zdravia a o zmene a doplnení niektorých zákonov, v znení neskorších predpisov
- Nariadenie vlády SR 471/2011 Z.z., ktorým sa mení nariadenie vlády Slovenskej republiky č. 355/2006 Z. z. o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci, Príloha č.1
- Zákon č. 79/2015 Z. z. o odpadoch a o zmene a doplnení niektorých zákonov
- Vyhláška Ministerstva životného prostredia SR č. 365/2015 Z.z. z 13. novembra 2015, ktorou sa ustanovuje Katalóg odpadov.- Vyhláška MV SR č. 96/2004 Z.z., ktorou sa ustanovujú zásady protipožiarnej bezpečnosti pri manipulácii a skladovaní horľavých kvapalín, ťažkých vykurovacích olejov a rastlinných a živočíšnych tukov a olejov

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<p>- Zákon č. 137/2010 Z. z. o ovzduší</p> <p>- Vyhláška MŽP SR č. 410/2012 Z. z., ktorou sa vykonávajú niektoré ustanovenia zákona o ovzduší</p> <p>- Vyhláška Ministerstva pôdohospodárstva, životného prostredia a regionálneho rozvoja Slovenskej republiky č. 358/2010 Z.z., ktorou sa ustanovujú emisné limity, technické požiadavky a všeobecné podmienky prevádzkovania zdrojov a ich zariadení, v ktorých sa používajú organické rozpúšťadlá, a monitorovanie ich emisií</p>	
Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	
<i>Designation of the substance, of the group of substances or of the mixture</i>	<i>Conditions of restriction</i>
Alcohols, C12-14, ethoxylated, sulfates, sodium salts REACH 01-2119488639-16-XXXX	Regulation EC 1907/2006, Annex XVII, Article 3
Sodium laurate REACH No. not available yet	Regulation EC 1907/2006, Annex XVII, Article 3
Alcohols, C10-16, ethoxylated, sulfosuccinates, disodium salts REACH No. not available yet	Regulation EC 1907/2006, Annex XVII, Article 3
Alcohols, C12-14, ethoxylated, sulfates, sodium salts REACH 01-2119488639-16-XXXX	Regulation EC 1907/2006, Annex XVII, Article 3
15 Chemical safety assessment	
.2 Chemical safety assessment not carried yet	
SECTION 16: OTHER INFORMATION	
a)	<i>Changes made to the previous version of the safety data sheet</i> Not applicable, first edition - version 1.0
b)	<i>Key or legend to abbreviations and acronyms used in the safety data sheet</i> Acute Tox. 4 Acute toxicity, category 4 Skin Irrit. 2 Skin corrosion/irritation, category 2 Eye Dam. 1 Serious eye damage/eye irritation, category 1

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Eye Irrit. 2	Serious eye damage/eye irritation, category 2
STOT SE 3	Specific target organ toxicity – single exposure, category 3
STOT RE 2	Specific target organ toxicity – repeated exposure, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, category 3
Exp. lim.	Exposure limit
OEL	Occupational exposure limit
PBT	Substances persistent, bioaccumulative and toxic
vPvB	Substances very persistent and very bioaccumulative
VOC	Volatile organic compound
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Substances persistent, bioaccumulative and toxic
LD50 / LC50	Lethal dose / concentration affecting 50% of tested population
LOAEL	Lowest Observed Adverse Effect Level
LOEL	Lowest Observed Effect Level
w/w	Weight by weight
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
IATA	International Air Transport Association
IMDG-code	International Maritime Code for Dangerous Goods
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
SVHC	Substances of Very High Concern
VOC	Volatile organic compounds

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	vPvB	very Persistent, very Bioaccumulative
	WEL-TWA	Workplace Exposure Limit - Long-term exposure limit (8-hour TWA = time weighted average)
	WEL-STEL	Workplace Exposure Limit - Short-term exposure limit (15-minute reference period)
	ACGIH	American Conference of Governmental Industrial Hygienists
	BCF	Bioconcentration factor
	BOD	Biochemical oxygen demand
c)	<i>Key literature references and sources for data</i> Original Material Safety Data Sheet of compounds.	
d)	<i>Methods of evaluating information used for the purpose of classification</i> The mixture was classified by expert judgment and conventional calculations methods in accordance with the Regulation EC No. 1272/2008 (CLP).	
e)	<i>Full wording of used Hazard Statements (H-phrases)</i> H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure H412 Harmful to aquatic life with long lasting effects	
f)	<i>Advice on any training appropriate for workers</i> Not relevant for consumer. Before professional handling, storing or using the present substance for the first time, employees must be informed - common training for handling chemicals, occupational safety training.	
g)	<i>Other information</i> This Safety Data Sheet is compiled in accordance with Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830; Safety Data Sheet contains information on safety use, occupational health protection, and	

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environmental protection. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. This particular information applies on the product as supplied and may not be valid in mixtures with other substances. If used for other purposes as identified in this SDS, the distributor is not liable for any damage.

The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.