MATERIAL 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

UNIVERSAL WASHING GEL DOCTOR WASH

Version No. 03

Dated: 2020-09-24
Revised: 2024-01-19
Printed: 2024-01-23

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

1.1. PRODUCT IDENTIFIER:

MIXTURE IDENTIFICATION:	Perfumed coloured gel detergent. Free of phosphates and formaldehydes.
MIXTURE PACKAGING:	2100 g; 4200 g
MIXTURE CONTAINS:	5-15 % anionic surfactants, 5-15 % nonionic surfactants, < 5 % Phosphonates, Polycarboxylates. Other ingredients: preservatives (Methylchloroisothiazolinone, Methylisothiazolinone), Perfume, CI Acid Violet 48.
TRADE NAME:	Universal washing gel Doctor Wash
TRADE CODE:	-
TRADE MARK:	DOCTOR WASH
REACH REGISTRATION No.:	Not applicable. Mixture
MOLECULAR FORMULA:	Not applicable. Mixture
MOLECULAR WEIGHT:	Not applicable. Mixture
CAS No.:	Not applicable. Mixture
EC No.:	Not applicable. Mixture
INDEX No.:	Not applicable. Mixture
UFI Code:	6110-8028-1007-STCA

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

RECOMMENDED USE:	Household. Universal laundry washing gel. Apply the product for its intended purpose and according to the instruction. For additional information on the fields of use of this product, please contact us.
USES ADVISED AGAINST:	Uses other than those identified are not recommended

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

MANUFACTURER:	**LLC "UKRAINIAN-GERMAN COMPANY " 2K "**
ADRESS OF THE MANUFACTURER:	Passage by Yuri Kozlovsky, 7/1, 29016, Khmelnytskyi, Ukraine
TELEPHONE NUMBER OF THE MANUFACTURER:	+380676541082
FAX NUMBER OF THE MANUFACTURER:	-
E-MAIL OF THE MANUFACTURER:	info@2k.company
RESPONSIBLE PERSON IN EU	2K Haushaltschemie GmbH, Lindenstr. 48-52, 40233 Düsseldorf, Germany, mailto:d.kushal85@gmail.com, Phone: 491787178800

1.4. EMERGENCY CONTACTS: **LLC "UKRAINIAN-GERMAN COMPANY " 2K " (Office Hours)**

1.4. 1. Emergency telephone number for other countries:

Country	Official advisory body	Address	Emergency number
AUSTRIA	Austrian National Public Health Institute (GÖG) Vergiftungsinformationszentrale (VIZ)	Stubenring 6, 1010 Vienna, Austria T: +43 1 515 61-161 M: +43 676 848 191-661	Notruf 0–24 Uhr: 01 406 43 43 Euro-Notruf: 112 Rettung: 144 Ärztefunkdienst: 141
BELGIUM	BELGIAN POISON CENTER (BELGISCH ANTIGIFCENTRUM)	Poison Control Center c/o Military Hospital Queen Astrid Bruynstraat 1, 1120 Brussels	070 245 245 (free, 24/7) If unreachable, tel. 02 264 96 30 (normal rate) 8002 5500 , from Grand Duchy of Luxembourg every day, free 24 /7
BULGARIA	National Toxicology Center, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov"	Ministry of Health, 5, „Sveta Nedelya" sq., Sofia 1000	Emergency number/ fax: +359 2 9154 233 The service is available 24/7 and the communication language is Bulgarian +359 2 9154 409,
CROATIA	Poison Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342 Information available 24/7 in Croatian and English.
CZECH REPUBLIC	Poisons Information Centre Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojisti 1 128 00 Prague 2	224 91 92 93 224 91 54 02 +42 2 2491 9293 +42 2 2491 5402
DENMARK	Poisons Information Centre Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV	+45 82 12 12 12 +45 35 31 55 55 Danish Poison Center (Giftlinjen): +45 8212 1212
ESTONIA	Estonian Emergency Response Centre	Osmussaare 2, 13811 Tallinn General info: 6287 400	National emergency telephone number (Häirekeskuse number) is 112 Mürgistusteabekeskuse infoliin 16662 (välisriigist helistades (+372)7943794)
FINLAND	Poisons Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	Medical Helpline 116117 Open 24 hours a day0800 147 111 (the call is free of charge)09 471 977 +358 9 471 977
FRANCE	Poison Control Center (Centre Antipoison ORFILA)	**Hôpital Fernand Widal** 200 rue du faubourg St-Denis 75475 Paris Cedex 10	numéro ORFILA (INRS): + 33 (0)1 45 42 59 59 (for free 24/7) +33 (0)1 45 42 59 59
GERMANY	"2K" Haushaltschemie GmbH	Lindenstr. 48-52, 40233 Düsseldorf, Germany	+491787178800
GREESE	Poison Information Centre Children's Hospital P&A Kyriakou	Athens 11762 Greece	Emergency number: (0030) 2107793777 24 hours/day Fax: 00302107486114 +30 10 779 3777
HUNGARY	Health Toxicology Information Service	1097 Budapest, Albert Flórián út 2-6.	+36 80 201 199 (0-24 hours, free of charge - only from Hungary) +36 1 476 6464 (0-24 hours, can be called for a standard fee - also from abroad)
ICELAND	Poison control center	Fossvogi 108 Reykjavik	+354 543 2222 +354 543 1000 112
IRELAND (REPUBLIC OF IRELAND)	The National Poisons Information Centre (NPIC)	Beaumont Hospital Beaumont Road 9 Dublin	01 809 2566
ITALY	Centro Antiveleni (Poisons Centre) Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 I-00168 Roma	+39 06 305 4343

LATVIA	*Toxicology and Sepsis Clinic, information on poisoning and medicinal products;* *State fire and rescue service:*	2 Hipokrāta Street, Riga, LV-1038	*+371 67042473* *(+371) 112; (+371) 113*
LITHUANIA	Poisons Control and Information Bureau	Siltnamiu 29 2043 Vilnius	+370 2 36 20 52 +370 2 36 20 92
THE NETHERLANDS	UMC Utrecht Heidelberglaan 100 3584 CX Utrecht	Heidelberglaan 100 3584 CX UTRECHT Reception 1 (level 0), UMC Utrecht site	NVIC: +31 (0)88 755 8000: Only for the purpose of informing medical personnel in case of acute intoxications' or in Dutch: 'Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen
NORWAY	Poisons Information Directorate of Health and Social Affairs	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300
POLAND	Warsaw Poison Control and Information Centre	Al.Solidarnosci 67 P-03 401 Warszawa	+48 22 619 66 54 +48 22 619 08 97
PORTUGAL	Centro de Informação Antivenenos – Dra Arlinda Borges Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	Portugal CIAV phone number: +351 800 250 250 808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu"	Boulevardul Iancu de Hunedoara 30-32 Bucharest	Phone number: +40213183606 +40 2121 06282 +40 2121 06183
SLOVAKIA	National Toxicological Information Centre University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SLOVENIA	Poison Centre Division of Internal Medicine	University Clinical Centre Zaloska 7 1525 Ljubljana	Phone number: 112 + 386 41 650 500
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	National Emergency Telephone Number of Spanish Poison Centre: + 34 91 562 04 20 The information will be provided in Spanish (available 24h/365 days): health personnel & general public (poisoning cases)
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	"112 – ask for Poisons Information" (in Swedish this will be: "112 – begär Giftinformation" +46 8 33 12 31 (International)
UKRAINE	Institute of Hygiene and Toxikology, Науковий центр превентивної токсикології, харчової та хімічної безпеки імені академіка Л.І. Медведя Міністерства охорони здоров'я України.	вулиця Героїв Оборони, 6, Київ, Украина, 03680	+38 (044) 526-97-00
UKRAINE	LLC "UKRAINIAN-GERMAN COMPANY " 2K "	Passage by Yuri Kozlovsky, 7/1, 29016, Khmelnytskyi, Ukraine	+380676541082 info@2k.company

SECTION 2: Hazards identification

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS pictograms and signal word:	**In accordance with Regulation No 1272/2008 (CLP)**

 **Warning**	**Skin Irrit. 2, H315**	Causes skin irritation.
	Eye Irrit. 2, H319	Causes serious eye irritation.
	Aquatic Chronic 4, H413	May cause long lasting harmful effects to aquatic life.
	EUH208	Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction.

2.2. LABEL ELEMENTS

Labelling according to Regulation (EC) No 1272/2008 (CLP)
The product is classified and labelled according to the CLP regulation

GHS pictograms and signal word:	 GHS07
	Warning
Hazard statements	**H315** Causes skin irritation **H319** Causes serious eye irritation. **H413** May cause long lasting harmful effects to aquatic life. **EUH208** Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction.
Dimension of the pictogram (in milimetres)	Capacity of the package: ≤ 3 litres: not smaller than 10x10. If possible, at least 16x16. Capacity of the package: > 3 litres but ≤ 50 litres: at least 23x23.
Dimension of the label (in milimetres)	Capacity of the package: ≤ 3 litres: if possible, at least 52x74. Capacity of the package: > 3 litres but ≤ 50 litres: at least 74x105.
Precautionary Statement Prevention	**P102** Keep out of reach of children. **P264** Wash hands thoroughly after handling. **P280** Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement Response	**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P337 + P 313** If eye irritation persists: Get medical advice/ attention.
Precautionary Statement Storage	---
Precautionary Statement Disposal	**P501** Dispose of contents/container in accordance with local, regional, national and international regulations.

Contains:	**Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction.**
Supplemental label elements:	5-15 % anionic surfactants, 5-15 % nonionic surfactants, < 5 % Phosphonates, Polycarboxylates. Other ingredients: preservatives (Methylchloroisothiazolinone, Methylisothiazolinone), Perfume, CI Acid Violet 48.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	None
Special packaging requirement	
Containers to be fitted with child-resistant fastenings:	Not applicable.
Tactile warning of danger: shall be fitted with a tactile warning of danger.	Not applicable.

2.3 OTHER HAZARDS: No other hazards are known.

2.4. RESULTS OF PBT UN vPvB ASSESSMENT: This mixture does not contain substances that meet the PBT or vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. SUBSTANCES: Not applicable

3.2. MIXTURES: Household product based on below mentioned hazardous ingredients:

HAZARDOUS COMPONENTS:

INGREDIENT'S NAME; *(INCI Name)*	EC No / EC Index No/ REACH No	CAS No	Percentage, m. %	Classification REGULATION (EC) No 1272/2008	SCL/ M-factor/ ATE
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs; 4-(tridecan-3-yl)benzene-1-sulfonic acid; Dodecylbenzenesulphonic acid; *(Dodecylbenzene Sulfonic Acid)*	287-494-3/ Not applicable/ 01-2119490234-40-0004	85536-14-7	2 - 3	Acute Tox. 4, H302 Skin Corr. 1C, H314 Aquatic Chronic 3, H412	-
Alcohols, C12-15, ethoxylated; *(C12-15 Pareth-7)*	500-195-7/ Not applicable/ 01-2119488720-33-0000	68131-39-5	2 - 3	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	M=1
Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate; SLES; Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts; *(Sodium laureth sulfate)*	500-234-8/ Not applicable/ 01-2119488639-16-0010	68891-38-3	2 - 3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	Specific Conc. Limits: Eye Dam. 1, H318: 10% ≤ C < 100 % Eye Irrit. 2, H319: 5% ≤ C < 10%

Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl) *(Cocamide DEA)*	931-329-6/ Not applicable/ 01-2119490100-53-0003	68603-42-9	1 - 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	-
Sodium Chloride*	231-598-3/ Not applicable/ Not applicable	7647-14-5	0.7 - 1	Not classified	-
Sodium Hydroxide*; Cautic Soda; (*Sodium Hydroxide*)	215-185-5 011-002-00-6/ 01-2119457892-27-0000	1310-73-2	0.5 – 0.8	Met. Corr. 1, H290 Skin Corr. 1A, H314	Specific Conc. Limits: Eye Irrit. 2; H319: 0.5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 %
(1-hydroxy-1-phosphonoethyl)phosphonic acid; 1-hydroxy ethylidene-1,1-diphosphonic acid (HEDP); *(Etidronic Acid)*	220-552-8/ Not applicable/ 01-2119510391-53-0000	2809-21-4	0.2 – 0.5	Met. Corr. 1, H290 Acute Tox. 4, H302 Eye Dam. 1, H318	-
2-Propenoic acid, homopolymer; *(Polyacrylic Acid)*	618-347-7/ Not applicable/ 01-2120754771-50-0000	9003-01-4	0.2 – 0.5	Acute Tox. 4, H302 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	M=1
Dodecyldimethylamine oxide; N,N-dimethyldodecanamine oxide; *(Lauramine Oxide)*	216-700-6/ Not applicable/ 01-2120068065-58-0000	1643-20-5	0.2 – 0.5	Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	M=1 M(Chronic)=1
Perfume; *(Parfum)*	-/ - No data available	-	0.1 – 0.4	Aquatic Acute 1, H400	-
Propylene Glycol*	200-338-0/ Not applicable/ No data available	57-55-6	0.1 – 0.3	Not classified	-
*5-chloro-2-methyl-2H-isothiazol-3-one *(Methylchloroisothiazolinone)*	247-500-7/ 613-167-00-5/ No data available	26172-55-4; CAS No. for mixture (3:1): 55965-84-9	< 0.0015 (<15 ppm)	Acute Tox. 2, H310 Acute Tox. 2, H330 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 EUH071 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M=100 M(Chronic)=100 Specific Conc. Limits: Eye Dam. 1, H318: C ≥ 0.6 % Eye Irrit. 2, H319: 0.06 % ≤ C < 0.6 % Skin Corr. 1C, H314: C ≥ 0.6 % Skin Irrit. 2, H315: 0.06 % ≤ C < 0.6 % Skin Sens. 1A, H317: C ≥ 0.0015 %
*2-methyl-2H-isothiazol-3-one *(Methylisothiazolinone)*	220-239-6/ 613-167-00-5/ No data available	2682-20-4; CAS No. for mixture (3:1): 55965-84-9			
CI Acid Violet 48 (Disodium 3-[[4-amino-9,10-dihydro-9,10-dioxo-3-[sulphonato-4-(1,1,3,3-tetramethylbutyl)phenoxy]-1-anthryl]amino]-2,4,6-	276-516-7/ Not applicable/ 01-2120762673-48	72243-90-4	< 0.01	Eye Irrit. 2, H319 Aquatic Chronic 3, H412	-

trimethylbenzenesulphonate)					
Benzyl Acetate*	205-399-7/ Not applicable/ 01-2119638272-42	140-11-4	< 0.01	Aquatic Chronic 3, H412	-
Ethyl Acetate*	205-500-4/ 607-022-00-5/ No data available	141-78-6	< 0.01	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H335	-
Benzyl Alcohol*	202-859-9/ 603-057-00-5/ 01-2119492630-38	100-51-6	< 0.01	Acute Tox. 4, H302 Acute Tox. 4, H332	-
Water and other ingredients, determined not to be hazardous	Balance				

* - ingredients with limit values that require monitoring at the workplace.

ADDITIONAL INFORMATION: None.

SECTION 4: First aid measures

4.1. DESCRIPTION OF FIRST AID MEASURES

SKIN PROBLEM: Wash with plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

EYE CONTACT: Immediately flush with plenty of water for several minutes. After initial flushing, remove any contact lenses and continue flushing. Keep eye wide open while rinsing. Immediately call a POISON CENTER/doctor.

INGESTION: Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. Seek medical advice if necessary.

INHALATION: If respiratory irritation occurs, remove casualty to fresh air and keep warm and at rest. Consult physician if necessary.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Causes serious eye irritation. Causes skin irritation.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. EXTINGUISHING MEDIA:

Suitable extinguishing media: Use chemical foam, dry chemical, carbon dioxide,sand or water fog.

Extinguishing media which must not be used for safety reasons: Water jet

5.2. SPECIAL HAZARDS ARISING FROM THE In case of fire, toxic incineration products may be released

SUBSTANCE OR MIXTURE:	such as: carbon monoxide (CO), carbon dioxide (CO_2), sulphur oxides and nitrogen oxides. Do not inhale explosion and combustion gases. Burning produces heavy smoke.
EXPLOSION HAZARD:	Non hazardous
5.3. ADVICE FOR FIREFIGHTERS:	Contact emergency personnel. Use selfcontained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, sulphur, nitrogen and/or derivatives.
5.4. ADDITIONAL INFORMATION:	Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	
PERSONAL PRECAUTIONS:	Wear personal protection equipment (see section 8). Keep persons away.
6.2. ENVIRONMENTAL PRECAUTIONS:	Do not allow product to enter waters withaut treatment in a (biological) water treatment plant.
6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:	Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically. Suitable binder: multi-purpose absorbent, sand. Dispose of contaminated material as waste according to section 13. Provide adequate ventilation.
6.4. REFERENCE TO OTHER SECTIONS:	See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for Safe Handling:

For Household Settings: Store in closed container in dry place. Keep out of reach of children.
For Non-Household Settings:
Store in closed container in dry place. Keep out of reach of children.

7.2.Conditions for Safe Storage:

For Household Settings: Store in closed container in dry place. Keep out of reach of children.
For Non-Household Settings: Protect from sunlight and do not expose to temperatures exceeding +25°C. Keep from extreme cold. Store in a ventilated, cool area. Store in closed container in dry place. Keep out of reach of children.

7.3. SPECIFIC END USE (S):	Use only as directed.
7.4. OTHER MEASURES:	Keep frost-free, in a cool, dry and ventilated area (<25º C). Protect from sunlight and keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. For Household Settings: This is a household product that is safe for consumers and other users under normal and reasonably foreseen use.

8.1.2. For Non-Household Settings: Use in a ventilated area. Use safety glasses or safety goggles if airborne mist hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing. This is a

household product that is safe for consumers and other users under normal and reasonably foreseen use.

8.1.2.1. CONTROL PARAMETERS:

Ingredients Name:	CAS No.	TWA, 8 hours	STEL, 15 min.
Sodium Chloride	7647-14-5	5* mg/m^3	-
Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one	55965-84-9	0.076 mg/m^3	0.23 mg/m^3
Sodium Hydroxide	1310-73-2	2 mg/m^3 (Austria); 1 mg/m^3 (Sweden); 0.5* mg/m^3 (Latvia, Poland)	4 mg/m^3 (Austria); 2 mg/m^3 (Spain); 1 mg/m^3 (Poland)
Propane-1,2-diol (*Propylene Glycol*)	57-55-6	7* mg/m^3	-
Benzyl Acetate	140-11-4	5* mg/m^3	-
Ethyl Acetate	141-78-6	200* mg/m^3	54* ppm
Benzyl Alcohol	100-51-6	5* mg/m^3	-

* Republic of Latvia Cabinet Regulation No. 325 Adopted on 15 May 2007 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006 and NOAEL or NOAEC Values (ECHA data)

Substance name	End use	Exposure routes	Potential health effects	DNEL Level	NOAEL or NOAEC values
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs CAS No.: 85536-14-7	Workers	Inhalation	Long-term systemic effects	7.6 mg/m^3	85 mg/kg bw/day (rat)
	Workers	Dermal	Long-term systemic effects	119 mg/kg bw/day	
	Workers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	
	Consumers	Inhalation	Long-term systemic effects	1.3 mg/m^3	85 mg/kg bw/day (rat)
	Consumers	Dermal	Long-term systemic effects	42.5 mg/kg bw/day	
	Consumers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	
	Consumers	Oral	Long-term systemic effects	0.425 mg/kg bw/day	
Alcohols, C12-15, ethoxylated CAS No.: 68131-39-5	Workers	Inhalation	Long-term systemic effects	294 mg/m^3	882 mg/m^3 (NOAEC, rat)
	Workers	Dermal	Long-term systemic effects	2080 mg/kg bw/day	25000 mg/kg bw/day (NOAEL,rat)
	Workers	Eyes	Long-term systemic effects	no hazard identified	-

Substance name	End use	Exposure routes	Potential health effects	DNEL Level	NOAEL or NOAEC values
Alcohols, C12-15, ethoxylated CAS No.: 68131-39-5	Consumers	Inhalation	Long-term systemic effects	87 mg/m^3	435 mg/m^3 (NOAEC, rat)
	Consumers	Dermal	Long-term systemic effects	1250 mg/kg bw/day	25000 mg/kg bw/day (NOAEL, rat)
	Consumers	Eyes	Long-term systemic effects	no hazard identified	-
	Consumers	Oral	Long-term systemic effects	25 mg/kg bw/day	500 mg/kg bw/day (NOAEL, rat)
Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate CAS No.: 68891-38-3	Workers	Inhalation	Long-term systemic effects	175 mg/m^3	530 mg/m^3 (NOAEC, rat)
	Workers	Dermal	Long-term systemic effects	2750 mg/kg bw/day	33000 mg/kg bw/day (NOAEL, rat)
	Workers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Inhalation	Long-term systemic effects	52 mg/m^3	260 mg/m^3 (NOAEC, rat)
	Consumers	Dermal	Long-term systemic effects	1650 mg/kg bw/day	33000 mg/kg bw/day (NOAEL, rat)
	Consumers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Oral	Long-term systemic effects	15 mg/kg bw/day	300 mg/kg bw/day (NOAEL, rat)
Sodium Chloride CAS No: 7647-14-5	Workers	Inhalation	Long-term systemic effects	2068.62 mg/m^3	-
	Workers	Dermal	Long-term systemic effects	295.52 mg/kg bw/day	-
	Consumers	Inhalation	Long-term systemic effects	443.28 mg/m^3	-
	Consumers	Dermal	Long-term systemic effects	126.65 mg/kg bw/day	-
	Consumers	Oral	Long-term systemic effects	126.65 mg/kg bw/day	-
Sodium hydroxide CAS No.: 1310-73-2	Workers	Inhalation	Long-term systemic effects	1 mg/m^3	-
	Consumers	Inhalation	Long-term systemic effects	1 mg/m^3	-

Substance name	End use	Exposure routes	Potential health effects	DNEL Level	NOAEL or NOAEC values
	Workers	Dermal	Long-term systemic effects	34 mg/kg bw/day	340 mg/kg bw/day (NOAEL, rat)

Etidronic Acid CAS No.: 2809-21-4	Workers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Inhalation	Long-term systemic effects	2.95 mg/m^3	34 mg/kg bw/day (NOAEL, rat)
	Consumers	Dermal	Long-term systemic effects	17 mg/kg bw/day	340 mg/kg bw/day (NOAEL, rat)
	Consumers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Oral	Long-term systemic effects	1.7 mg/kg bw/day	34 mg/kg bw/day (NOAEL, rat)
Polyacrylic Acid CAS No.: 9003-01-4	Workers	Inhalation	Long-term systemic effects	1.97 mg/m^3	40 mg/kg bw/day (NOAEL, rat)
	Workers	Dermal	Long-term systemic effects	34 mg/kg bw/day	340 mg/kg bw/day (NOAEL, rat)
	Workers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Inhalation	Long-term systemic effects	0.348 mg/m3	40 mg/kg bw/day (NOAEL, rat)
	Consumers	Dermal	Long-term systemic effects	0.20 mg/kg bw/day	40 mg/kg bw/day (NOAEL, rat)
	Consumers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Oral	Long-term systemic effects	0.2 mg/kg bw/day	40 mg/kg bw/day (NOAEL, rat)
Lauramine Oxide CAS No.: 1643-20-5	Workers	Inhalation	Long-term systemic effects	6.2 mg/m^3	155 mg/m^3 (NOAEC, rat)
	Workers	Dermal	Long-term systemic effects	11 mg/kg bw/day	1100 mg/kg bw/day (NOAEL, rat)
	Workers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Inhalation	Long-term systemic effects	1.53 mg/m^3	76.5 mg/m^3 (NOAEC, rat)
	Consumers	Dermal	Long-term systemic effects	5.50 mg/kg bw/day	1100 mg/kg bw/day (NOAEL, rat)
	Consumers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	-
	Consumers	Oral	Long-term systemic effects	0.44mg/kg bw/day	88 mg/kg bw/day (NOAEL, rat)

Substance name	**End use**	**Exposure routes**	**Potential health effects**	**DNEL** Level	**NOAEL or NOAEC** values
Propylene Glycol CAS No.: 57-55-6	Workers	Inhalation	Long-term systemic effects	168 mg/m^3	502 mg/m^3 (NOAEC, rat)
	Workers	Inhalation	Long-term systemic	9 mg/m^3	220.4 mg/m^3

Benzyl Acetate CAS No.: 140-11-4			effects		(NOAEC, rat)
	Workers	Dermal	Long-term systemic effects	2.5 mg/kg bw/day	250mg/kg bw/day (NOAEL,rat)
	Consumers	Inhalation	Long-term systemic effects	2.2 mg/m^3	108.7 mg/m^3 (NOAEC, rat)
	Consumers	Dermal	Long-term systemic effects	1.3 mg/kg bw/day	250 mg/kg bw/day (NOAEL, rat)
	Consumers	Oral	Long-term systemic effects	1.3 mg/kg bw/day	250 mg/kg bw/day (NOAEL, rat)
Ethyl Acetate CAS No.: 141-78-6	Workers	Inhalation	Long-term systemic effects	734 mg/m^3	-
	Workers	Dermal	Long-term systemic effects	63 mg/kg bw/day	-
	Consumers	Inhalation	Long-term systemic effects	367 mg/m^3	-
	Consumers	Dermal	Long-term systemic effects	37 mg/kg bw/day	-
	Consumers	Oral	Long-term systemic effects	4.5 mg/kg bw/day	900 mg/kg bw/day (NOAEL, rat)
Benzyl Alcohol CAS No.: 100-51-6	Workers	Inhalation	Long-term systemic effects	22 mg/m^3	1072 mg/m^3 (NOAEC, rat)
	Workers	Dermal	Long-term systemic effects	8 mg/kg bw/day	400 mg/kg bw/day (NOAEL,rat)
	Consumers	Inhalation	Long-term systemic effects	5.4 mg/m^3	1072 mg/m^3 (NOAEC, rat)
	Consumers	Dermal	Long-term systemic effects	4 mg/kg bw/day	400 mg/kg bw/day (NOAEL, rat)
	Consumers	Oral	Long-term systemic effects	4 mg/kg bw/day	400 mg/kg bw/day (NOAEL, rat)

8.2. EXPOSURE CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT:

GENERAL PROTECTIVE AND HYGIENIC MEASURES: Avoid contact with the eyes. Wash hands during work breaks and at the end of the shift. Provide skin protection plan.

RESPIRATORY PROTECTION: Not required

BODY PROTECTION: Protective clothing

EYE PROTECTION: Safety goggles

PROTECTION OF HANDS: Chemical protective gloves according to DIN EN 374 with CE-labelling. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin-cleaning agents and skin cosmetics.

- material of gloves: Nitrile rubber, NBR

- penetration time of glove material:	Thickness: 0.4 mm; break-throught time: 480 min.; material: Nitrile; permeation: level 6
- gloves made of the following materials are not suitable:	Gloves for mechanical protection do not provide protection against chemicals.
RISK MANAGEMENT MEASURES:	The operators shall be instructed adequately. The workplace shall be inspected regulary by competent personnel e.g. the safety representative.

SECTION 9: Physical and chemical properties

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid gel
COLOUR:	Violet
ODOUR:	Perfumed (Odour pleasant, characteristic)
pH – VALUE AT 20 °C:	5.5 - 8.5
MAXIMUM FOAM HEIGHT, % OF THE SCALE, NOT MORE THAN:	200 mm
MELTING POINT/MELTING RANG:	Not applicable
BOILING POINT (°C):	98.9 – 102 °C
FREEZING POINT (°C):	Not applicable
FLASH POINT:	Not determined
DECOMPOSITION TEMPERATURE (°C):	Not determined
EXPLOSIVE HAZARDS:	Product is not explosive
AUTO-IGNITION TEMPERATURE:	Product is not selfigniting.
OXIDIZING PROPERTIES:	Not applicable
SOLUBILITY IN WATER:	Completely soluble
FLAMMABILITY (solid, gaseous):	Not applicable - liquid

9.2. OTHER INFORMATION:

PARTITION COEFFICIENT: n-OCTANOL/WATER	log K_{ow} = 0.30-3.90 (Sodium Laureth Sulfate);
	log K_{ow} = 2 (Dodecylbenzene Sulfonic Acid);
	log K_{ow} = 5.06 (Alcohols, C12-15, ethoxylated);
	log K_{ow} = -3.50 (Etidronic Acid);
	log K_{ow} = 0.401 (Methylchloroisothiazolinone);
	log K_{ow} = -0.486 (Methylisothiazolinone);
	log K_{ow} = 0.27 (Polyacrylic acid);
	log K_{ow} = 1.85 (Lauramine oxide);

log K_{ow} = -1.07 (Propane-1,2-diol);
log K_{ow} = 1.3 (CI Acid Violet 48);
log K_{ow} = 1.96 (Benzyl acetate);
log K_{ow} = 0.68 (Ethyl acetate);
log K_{ow} = 1.05 (Benzyl Alcohol).

% VOC: Complies with EC regulations for VOC content.

SECTION 10: Stability and reactivity

10.1. REACTIVITY: Stable under normal conditions

10.2. CHEMICAL STABILITY: Stable under normal conditions

10.3. POSSIBILITY OF HAZARDOUS REACTION: None

10.4. CONDITIONS TO AVOID: Avoid heat, sunlight. Store away from oxidizers.

10.5. INCOMPATIBLE MATERIALS: Acids, alkali, oxidizing agents

10.6. HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11: Toxicological information

This is a household product that is safe for consumers and other users under intended and reasonably foreseeable use. Product is not classified as Toxic. Additional information on toxicological endpoints is available from the supplier upon request.

11.1. INFORMATION ON MIXTURE INGREDIENTS TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Hazardous Ingredients:

Ingredients Name:	CAS No.	Composition Range, %	LD50/LC50 (oral)	LD50/LC50 (dermal)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs; 4-(tridecan-3-yl)benzene-1-sulfonic acid; Dodecylbenzenesulphonic acid; *(Dodecylbenzene Sulfonic Acid)*	85536-14-7	2 - 3	LD50 = 1470 mg/kg (Rat)	LD50 = >2000 mg/kg (Rat)
Alcohols, C12-15, ethoxylated	68131-39-5	2 - 3	LD50 >5000 mg/kg (Rat)	LD50 >2000 mg/kg (Rat)
Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate; SLES; Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts; (Sodium Laureth Sulfate)	68891-38-3	2 - 3	LD50 = >2000 mg/kg (Rat)	LD50 = >2000 mg/kg (Rat)
Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis (hydroxyethyl)	68603-42-9	1 - 2	LD50 >5000 mg/kg (Rat)	LD50 >2000 mg/kg (Rat)
Sodium Chloride	7647-14-5	0.7 — 1.0	LD50= 3550 mg/kg (Rat)	LD50 >10000 mg/kg (Rabbit)
Sodium Hydroxide; Cautic Soda; (*Sodium Hydroxide*)	1310-73-2	0.5 — 0.8	LD50=40 mg/kg (Mouse)	Not available (Severe burning)
Etidronic Acid	2809-21-4	0.2 — 0.5	LD50= 1878 mg/kg	LD50 >5000

			(Rat)	mg/kg (Rabbit)
Polyacrylic Acid	9003-01-4	0.2 — 0.5	LD50 = 1500 mg/kg (Rat)	LD50 = >2000 mg/kg (Rabbit)
Lauramine oxide	1643-20-5	0.2 — 0.5	1064 mg/kg (Rat)	LD50 >2000 mg/kg (Rat)
Propylene Glycol	57-55-6	0.1 — 0.3	LD50=22000 mg/kg (Rat)	LD50>2000 mg/kg (Rabbit)
Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one	55965-84-9	<15 ppm	LD50 = 50-300 mg/kg (Rat)	LD50=200-1000 mg/kg (Rabbit)
CI Acid Violet 48 (Disodium 3-[[4-amino-9,10-dihydro-9,10-dioxo-3-[sulphonato-4-(1,1,3,3-tetramethylbutyl)phenoxy]-1-anthryl]amino]-2,4,6-trimethylbenzenesulphonate)	72243-90-4	<0.01	LD50 >2000 mg/kg (Rat)-ECHA data	LD50 >5000 mg/kg (Rat)-ECHA data
Benzyl Acetate	140-11-4	<0.01	LD50 >2000 mg/kg (Rat)-ECHA data	LD50 >5000 mg/kg (Rabbit)-ECHA data
Ethyl Acetate	141-78-6	<0.01	LD50 =5620 mg/kg (Rat)-ECHA data	LD50 >20000 mg/kg (Rabbit)-ECHA data
Benzyl Alcohol	100-51-6	<0.01	LD50 = 1620 mg/kg (Rat)-ECHA data	LD50 >20000 mg/kg (Rabbit)-ECHA data

PRIMARY IRRITANT EFFECT:

ON THE SKIN: Not expected to be irritating, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

ON THE EYE: Contact may cause serious eye damage. Some redness and/or stinging may occur

INHALATION: May cause mild, transient respiratory irritation. Avoid prolonged contact to concentrated vapors.

INGESTION: Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SENSITISATION: No sensitisation effect known

CHRONIC EFFECT: No chronic effect known

CARCINOGENICITY: Finished product is not expected to be carcinogenic

TARGET ORGANS: No adverse health effects on target organs expected for finished product.

MUTAGENICITY: No mutagenic effect known

TOXICAL EFFECT ON THE REPRODUCTIVE SYSTEM: No toxical effect known

SECTION 12: Ecological information

12.1. TOXICITY: The product is classified as Aquatic Chronic 4, H413 May cause long lasting harmful effects to aquatic life. The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

12.1.1. INFORMATION ON MIXTURE INGREDIENTS ECOTOXICOLOGICAL EFFECTS:

AQUATIC TOXICITY:	
85536-14-7 Dodecylbenzene Sulfonic Acid	
EC_{50} / 48 h	5.2 mg/l - (*Daphnia magna*) (OECD 202)
EC_{50} / 72 h	36 mg/l – Algae (OECD 201)
LC_{50} / 96 h	5.6 mg/l – Fish (OECD 203)
68131-39-5 Alcohols, C12-15, ethoxylated	
EC_{50} / 48 h	0.14-0.23 mg/l - (*Daphnia magna*) (OECD 202)
EC_{50} / 72 h	> 0.75 mg/l– Algae (OECD 201)
LC_{50} / 96 h	0.59-3.1 mg/l – Fish (OECD 203)
68891-38-3 Sodium laureth sulfate	
EC_{50} / 48 h	7.4 mg/l - *(Daphnia magna*) (OECD 202)
EC_{50} / 72 h	27.7 mg/l – Algae (OECD 201)
LC_{50} / 96 h	7.1 mg/l – Fish (OECD 203)
68603-42-9 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis (hydroxyethyl)	
EC_{50} / 48 h	0.32 mg/l – Aquatic plants
EC_{50} / 72 h	0.39 mg/l – Algae (*Desmodesmus Subspicatus*)
LC_{50} / 96 h	2 – 4.9 mg/l – Fish
7647-14-5 Sodium Chloride	
EC_{50} / 48 h	1900 mg/l - (*Daphnia magna*)
EC_{50} / 120 h	2430 mg/l – (*Nitzschia linearis*)
LC_{50} / 96 h	5840 mg/l – Fish
1310-73-2 Sodium Hydroxide	
EC_{50} / 48 h	40.4 mg/l - (*Daphnia magna*) (OECD 202)
EC_{50} / 72 h	22 mg/l – Algae (OECD 201)
LC_{50} / 96 h	125 mg/l – Fish (OECD 203)
2809-21-4 Etidronic Acid	
EC_{50} / 48 h	527 mg/l (*Daphnia magna*) (OECD 202)
EC_{50} / 96 h	3 mg/l – Algae (OECD 201)

LC_{50} / 96 h	195 mg/l – Fish (OECD 203)
9003-01-4 Polyacrylic Acid	
EC_{50} / 48 h	47 mg/l - *(Daphnia magna)* (OECD 202)
EC_{50} / 72 h	0.13 mg/l – Algae (OECD 201)
LC_{50} / 96 h	27 mg/l – Fish (OECD 203)
1643-20-5 Lauramine Oxide	
EC_{50} / 48 h	3.43 mg/l - *(Daphnia magna)* (OECD 202)
EC_{50} / 72 h	0.2 mg/l – Algae (OECD 201)
LC_{50} / 96 h	31.8 mg/l – Fish (OECD 203)
57-55-6 Propylene Glycol	
EC_{50} / 48 h	18340 mg/l (*Ceriodaphnia dubia*)
EC_{50} / 96 h	19000 mg/l (*Pseudokirchnerella subcapitata*)
LC_{50} / 96 h	40613 mg/l (*Oncorhynchus mykiss*)
55965-84-9 Methylchloroisothiazolinone & Methylisothiazolinone	
EC_{50} / 48 h	0.16 mg/l *(Daphnia magna)* (OECD 202)
EC_{50} / 72 h	0.027 mg/l – Algae (OECD 201)
LC_{50} / 96 h	0.19 mg/l – Fish (OECD 203)
72243-90-4 CI Acid Violet 48	
EC_{50} / 48 h	140 mg/l (*Daphnia magna*) (OECD 202)
LC_{50} / 96 h	>10mg/l – Fish (OECD 203)
140-11-4 Benzyl acetate	
EC_{50} / 48 h	17 mg/l *(Daphnia magna)* – ECHA data.
EC_{50} / 72 h	92mg/l (Algae, Desmodesmus subspicatus) – ECHA data.
LC_{50} / 96 h	4 mg/l – Fish (Oryzias latipes) – ECHA data.
141-78-6 Ethyl acetate	
EC_{50} / 48 h	165 mg/l *(Daphnia magna)* – ECHA data.
EC_{50} / 72 h	5600 mg/l (Algae, Scenedesmus subspicatus) – ECHA data.
LC_{50} / 96 h	230 mg/l – Fish (Pimephales promelas) – ECHA data.
100-51-6 Benzyl alcohol	
EC_{50} / 48 h	230 mg/l *(Daphnia magna)* – ECHA data.
EC_{50} / 72 h	770 mg/l (Algae, *Pseudokirchnerella subcapitata*) – ECHA data.
LC_{50} / 96 h	>100 mg/l – Fish – ECHA data.

12.2. PERSISTENCE AND DEGRADABILITY:

ASSESSMENT BIODEGRADATION AND ELIMINATION:

Readily biodegradable (acc. to OECD criteria). 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.

Ingredient	Biodegradability	Days (OECD Guideline 301 B; 301 D, 301 F, 301 E and 302 B)
Dodecylbenzene Sulfonic Acid	94 %	28 (301 B)
Alcohols, C12-15, ethoxylated	61-72 %	28 (301 B)
Sodium laureth sulfate	>60 %	28 (302 B)
Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis (hydroxyethyl)	71.1 %	28 (301 F)
Sodium Hydroxide	Not biodegradable (Biodegradability term pertains to an organic material capable of decomposition as a result of attack by microorganisms). However, sodium hydroxide will be neutralized by acidity present in natural environment).	
Etidronic Acid	Not readily biodegradable	28 (301 D)
Polyacrylic Acid	87.4 %	28 (301 F)
Lauramine oxide	95 %	28 (301 B)
Propane-1,2-diol	96 %	28 (301 F)
Methylchloroisothiazolinone & Methylisothiazolinone	>60 %	28 (301 D)
	30 %	28 (301 B)
CI Acid Violet 48	18 % (cannot be considered as inherently biodegradable).	28 (302 B)
Benzyl acetate	100.9 %	28 (301 B)
Ethyl acetate	94.0%	28
Benzyl alcohol	Several studies on the biodegradability of benzyl alcohol under aerobic and anaerobic conditions are available. Considering the results of the tests it is concluded that benzyl alcohol is readily biodegradable.	

12.3. BIOACCUMULATIVE POTENTIAL Not expected to bioaccumulate

Ingredient	BCF	Note
Dodecylbenzene Sulfonic Acid	**87**	A very low potential for bioaccumulation is expected and is decreased by environmental processes such as biodegradation and absorption, which reduce aquatic concentrations.
Alcohols, C12-15, ethoxylated	**12.7-387.5**	A low potential for bioaccumulation were considered to have a delayed elimination and potential of short term bioaccumulation according to Beek (2000).
Sodium Laureth Sulfate	**70.79**	A very low potential for bioaccumulation

Etidronic Acid	**<2**	Not expected to bioaccumulate
Polyacrylic Acid	**5-10**	Not expected to bioaccumulate
Lauramine Oxide	**0.7**	The substance has a log Kow < 3 and is readily biodegradable. The substance has a low potential for bioaccumulation.
Propane-1,2-diol	**0.09**	Calculated
CI Acid Violet 48	No data available	Accumulation in organisms is not to be expected (info from BASF MSDS)
Benzyl acetate	**8**	Using the above log Kow figure, a BCF was derived using the Handbook of Chemical Property Estimation Methods.The BCF was found to be 8. According to the guidance on information requirements and chemical safety assessment part B, Benzyl acetate is not considered to be hazardous as the BCF is below 10.
Ethyl acetate	The substance has a low potential for bioaccumulation (log Kow3). The specific rules for adaptation in column 2 of annex IX of the regulation say that a study for bioaccumulation in aquatic species does not need to be conducted for such substances.	
Benzyl alcohol	**1.37**	Low potential for bioaccumulation

12.4. MOBILITY IN SOIL: Soluble in water. The product is predicted to have high mobility in soil.

Ingredient	Adsorption coefficient log K_{oc}	Note
Dodecylbenzene Sulfonic Acid	**3.6**	Expected to be mobile
Alcohols, C12-15, ethoxylate	**<5.50**	Moderate mobile
Sodium Laureth Sulfate	**4.71**	Expected to be mobile
Etidronic Acid	**-1.32**	Higly mobile: Do not allow to penetrate into soil, water bodies, or drains
Polyacrylic Acid	**0.05**	Highly mobile in soils
Lauramine oxide	**3.18**	High potential for adsorption to soil. But substance is readily biodegradable
Propane-1,2-diol	**-1.07**	Expected to be mobile
CI Acid Violet 48	**No data available**	Solubility in water 3,6 % (ECHA data). Expected to be mobile
Benzyl acetate	**2.4**	A medium potential for soil mobility
Ethyl acetate	Distribution modelling suggests that environmental concentrations of ethyl acetate are likely to be very low.	
Benzyl alcohol	According to the "Guidance on information requirements and chemical safety assessment, Chapter R.7a: Endpoint specific guidance", it is thus possible to estimate the Koc using QSAR calculation. Applying the QSAR	

	estimation PCKOCWIN v1.6.6, the Koc is calculated to be 15.7. Thus, adsorption to sediment and suspended organic matter is not expected to be an important fate process of benzyl alcohol.

ASSESSMENT TRANSPORT BETWEEN ENVIRONMENTAL COMPARTMENTS: Adsorbtion to solid soil phase is possible.

ADDITIONAL ECOLOGICAL INFORMATION:

AOX-INDICATION: The product does not contain substances, which can influence the AOX of waste water.

THE FORMULATION CONTAINS THE FOLLOWING HEAVY METALS AND THEIR COMPOUNDS ACCORDING TO DIRECTIVE 2006/11/EC (ANNEX 1): None

GENERAL NOTES: Sewages that contain this product may not be released into the aquatic environment without preliminary treatments (biological purification plant).

12.5. RESULTS OF PBT UN vPvB ASSESSMENT: This mixture does not contain substances that meet the PBT or vPvB criteria of REACH, annex XIII.

12.6. ENDOCRINE DISRUPTING PROPERTIES: This product does not contain any known or suspected endocrine disruptors.

12.7. OTHER ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. No other adverse environmental effects (e.g. Ozone depletion, photochemical ozone creation potential, endocrine disruption.

SECTION 13: Disposal considerations

13.1. For Household Settings:
The following instructions are for consumer usage only. Empty can through normal use as instructed on the can.Consumer produced household solutions may be disposed of down the drain with running water. Consumer may discard empty container in trash, or recycle where facilities exist.
13.2. For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste. Disposal should be in accordance with all local, regional, national and international regulations.

13.2..2. WASTE TREATMENT METHODS: Within the present knowledge of the supplier, this product is not regarded as hazardous waste. Do not discharge into any place where its accumulation could be dangerous. Consult supplier for specific recommendations.

EUROPEAN WASTE CATALOQUE	
EWC CODE	**Description**
07 06 01*	Aqueous washing liquids and mother liquors (Waste code applies to unused product)
15 01 02	Plastic packaging (Waste code applies to packaging containing residues of product)

CONTAMINATED PACKAGING:

RECOMMENDATION:

RECOMMENDED CLEANING AGENT: Water. In single quantities packaging can be apply again or disposed in household waste container.

SECTION 14: Transport information

14.1. UN NUMBER: None

14.2. UN PROPER SHIPPING NAME:

ADR, IATA, IMDG None

14.3. TRANSPORT HAZARD CLASS (ES): None hazardous product

ADR, IATA, IMDG
CLASS None

14.4. PACKING GROUP:

ADR, IATA, IMDG N.a.

14.5. ENVIRONMENAL HAZARDS:

ADR-ENVIROMENTAL POLLUTANT None

MARINE POLLUTANT Aquatic Chronic 4, H413 - May cause long lasting harmful effects to aquatic life.

14.6. SPECIAL PRECAUTIONS FOR USER: None

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II

OF MARPOL 73/78 AND THE IBC CODE: Not applicable

TRANSPORT/ADDITIONAL INFORMATION: No

UN "MODEL REGULATION" No

SECTION 15: Regulatory information

While the finished product(s) is considered hazardous, this MSDS contains valuable information critical to the safe handling and proper use of the product.

15.1. SAFETY, HEALTH AND ENVIROMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

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

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**), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

DIRECTIVE 2006/11/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 February 2006 **on pollution** caused by certain dangerous substances discharged into the aquatic environment of the Community

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.

COMISSION REGULATION (EU) No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the REACH.

INFORMATION ABOUT LIMITATION OF USE:	Take note of Directive 94/33/EC on the protection of young people at work. Take note of Directive 92/85/EC on the safety and health of pregnant women at work.
REGULATIONS WHICH MAY APPLY IN EVENT OF ACCIDENT: CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH):	This substance/mixture is not subject to ordinance on industrial accidents (substance list, Annex I).
15.2. CHEMICAL SAFETY ASSESSMENT:	Not required.

SECTION 16: Other information

Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, mentioned in section 2 or 3:

Flam. Liq. 2	Flammable liquids, Hazard Category 2
Met. Corr. 1	Corrosive to metals – Hazard Category 1
Acute Tox. 2	Acute toxicity – Hazard Category 2
Acute Tox. 4	Acute toxicity – Hazard Category 4
Skin Corr. 1A	Skin corrosion – Hazard Category 1A
Skin Corr. 1C	Skin corrosion – Hazard Category 1C
Skin Irrit. 2	Skin irritation – Hazard Category 2
Skin Sens. 1	Skin Sensitisation – Hazard Category 1
Skin Sens. 1A	Skin Sensitisation – Hazard Category 1A
Eye Dam. 1	Eye Damage – Hazard Category 1
Eye Irrit. 2	Eye irritation – Hazard Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation
Aquatuc Acute 1	Acute aquatic toxicity - Hazard Category 1
Aquatic Chronic 1	Chronic aquatic toxicity - Hazard Category 1

Aquatic Chronic 2	Chronic aquatic toxicity - Hazard Category 2
Aquatic Chronic 3	Chronic aquatic toxicity - Hazard Category 3
Aquatic Chronic 4	Chronic aquatic toxicity - Hazard Category 4
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.
H330	Fatal if inhaled.
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmfull to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains (name of sensitising substance). May produce an allergic reaction.

ABBREVIATIONS AND ACRONYMS:

PBT: persistent, bioaccumulative, toxic
vPvB: persistent, very bioaccumulative
EC: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
Index No.: InternationalSubstance Identification No. (Information related to the classification of substance including all C&L elements (i.e. hazard pictograms, signal words, codification of hazard and precautionary statements, specific concentration limits or M-factors, any cut-off values and supplemental labelling information)
AOX: Adsorbable Organohalogens
ADR: European Agreement concerning the International Carriage of Dangerous Goods
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LC_{50}: Median (50 %) lethal concentration
LD_{50}: Median (50%) lethal dose
EC_{50}: Effective concentration, 50 percent
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and

Mixtures

ECHA: European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
DNEL: Derived no-effect level is the level of exposure to a substance above which humans should not be exposed
NOAEL: No-Observed-Adverse-Effect Level
NOAEC: No-Observed-Adverse-Effect Concentration
VOC: Volatile Organic Compounds

The information given in this MSDS was obtained from current and reliable sources. However, these data are provided without any warranty, expressed or implied, regarding their correctness or accuracy. Since the conditions of use, handling, storage, and disposal of this product are beyond control, it is the responsibility of the user both to determine safe conditions for use as well as to assume liability for loss, damage, and expenses arising out of improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS.