

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 Commission Regulation (EU) No 2020/878 of 18 June 2020



WASHING PODS "PROWASH"

Version No. 01

Dated: 2022-12-22

Printed: 2022-12-23

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

1.1. PRODUCT IDENTIFIER:

| | |
|-------------------------|---|
| MIXTURE IDENTIFICATION: | Washing pods. |
| MIXTURE PACKAGING: | 12 pieces (252 g), 32 pieces (672 g), 78 pieces (1638 g) |
| MIXTURE CONTAINS: | 15-30 % nonionic surfactants, anionic surfactants, 5-15 % soap, < 5 % polycarboxylates, enzymes, phosphonates, flavors (Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool), preservatives. |
| TRADE NAME: | Washing pods "ProWASH" |
| TRADE CODE: | - |
| TRADE MARK: | - |
| 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: | GUQ2-70QP-Y008-D039 |

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

| | |
|-----------------------|---|
| RECOMMENDED USE: | Household. Laundry washing capsules. Use 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 " |
| ADDRESS 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 |
| COMPETENT PERSON RESPONSIBLE FOR | info@2k.company |

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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 |
|-----------------------|---|---|------------------------------------|
| Belarus | The Belarus Republican Poisons Centre Minsk Municipal Hospital of Emergency Medical Aid | Kizhevatova str. 58 220115 Minsk | +375 (0)17 201 9158 |
| Bulgarija | National Toxicological Information Centre National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov" | 21 Tottleben Boulevard 1606 SOFIA | +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 |
| CZECH REPUBLIC | Poisons Information Centre Clinic For Occupational Medicine, 1st Medical Faculty, Charles University | Na Bojisti 1 128 00 Prague 2 | +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 |
| FINLAND | Poisons Information Centre | P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki | +358 9 471 977 |
| France | Poison Control Center (Centre Antipoison ORFILA) | Hôpital Fernand Widal 200 rue du faubourg St-Denis 75475 Paris Cedex 10 | +33 (0)1 45 42 59 59 |
| Germany | "2K" Haushaltchemie GmbH | Lütznert Str. 7 a, 04177 Leipzig, Germany | +491787178800 |
| Greece | Poisons Information Centre | 11527 Athens | +30 10 779 3777 |
| Greece | Department of Forensic Medicine & Toxicology | Aristotle University of Thessaloniki, Medical Faculty | 54006 Thessaloniki |
| HUNGARY | Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service) | 1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2 | +36 80 20 11 99 |
| Iceland | Iceland Poisons Information Centre Landspítali University Hospital | Fossvogi 108 Reykjavik | +354 525 111 +354 543 2222 |
| IRELAND (REPUBLIC OF) | National Poisons Information Centre Beaumont Hospital | Beaumont Hospital Beaumont Road 9 Dublin | : +353 1 8379964 |
| ISRAEL | Israel Poisons Information Centre Rambam Medical Centre | PO Box 9602 31096 Haifa | +972 4 854 1900 |
| ITALY | Centro Antiveleni (Poisons Centre) Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore | Largo Agostino Gemelli 8 I-00168 Roma | +39 06 305 4343 |
| Kazakhstan | Republican Toxicology Centre City Emergency Medicine Hospital | Tole-bi 93 480083 Almaty | KAZAKHSTAN |
| LATVIA | Toxicology and Sepsis Clinic, information on poisoning and | 2 Hipokrāta Street, Riga, LV-1038 | +371 67042473 |

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| | | | |
|--------------------|---|---|---|
| | medicinal products; State fire and rescue service: | | (+371) 112; (+371) 113 |
| LITHUANIA | Poisons Control and Information Bureau | Siltnamiu 29 2043 Vilnius | +370 2 36 20 52 +370 2 36 20 92 |
| 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 | 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 | +40 2121 06282 +40 2121 06183 |
| RUSSIAN FEDERATION | Toxicology Information and Advisory Centre (RTIAC) Ministry of Health of the Russian Federation | 3 Sukharevskaya Ploshad Block 7 129090 Moscow | +7 095 928 16 87 (Russian only) |
| 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 | + 386 41 650 500 |
| SPAIN | Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid | Calle Luis Cabrera 9 E-28002 Madrid | +34 91 562 04 20 |
| SWEDEN | Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital | Box 60 500 SE-171 76 Stockholm | +46 8 33 12 31 (International) 112 (National) |
| UKRAINE | Institute of Hygiene and Toxicology, Науковий центр превентивної токсикології, харчової та хімічної безпеки імені академіка Л.І. Медведя Міністерства охорони здоров'я України. | Вулиця Героїв Оборони, 6, Київ, Україна, 03680 | +38 (044) 526-97-00 |
| UNITED KINGDOM | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA Belfast | 0870 600 6266 (UK only), |
| UNITED KINGDOM | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH Birmingham | 0870 600 6266 (UK only), |
| UNITED KINGDOM | NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh | 51 Little France Crescent EH16 4SA Edinburgh | 0870 600 6266 (UK only) |
| UNITED KINGDOM | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | 0870 243 2241 |
| UNITED KINGDOM | National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle | 0870 600 6266 (UK only) |
| UNITED KINGDOM | National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital | Penarth CF64 2XX Cardiff | 0870 600 6266 (UK only), |

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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) | |
|---|---|--|---|
|  | Eye Dam. 1, H318 | Causes serious eye damage. | |
| | Danger EN Danger DE Gefahr ET Ettevaatust HU Veszély LT Pavojinga LV Bīstami PL Niebezpieczeństwo RO Pericol | EUH208 | Contains Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. May produce an allergic reaction. |
| | | DE Verursacht schwere Augenschäden. | Enthält Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Kann allergische Reaktionen hervorrufen. |
| | | ET Põhjustab raskeid silmakahjustusi. | Sisaldab Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Võib esile kutsuda allergilise reaktsiooni. |
| | | HU Súlyos szemkárosodást okoz. | Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool-t tartalmaz. Allergiás reakciót válthat ki. |
| | | LT Smarkiai pažeidžia akis. | Sudėtyje yra Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Gali sukelti alerginę reakciją. |
| | | LV Izraisa nopietnus acu bojājumus. | Satur Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Var izraisīt alerģisku reakciju. |
| | | PL Powoduje poważne uszkodzenie oczu. | Zawiera Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Może powodować wystąpienie reakcji alergicznej. |
| | | RO Provoacă leziuni oculare grave. | Conține Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Poate provoca o reacție alergică. |

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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: |  GHS05 |
| Hazard statements: | <p>EN Danger DE Gefahr ET Ettevaatust HU Veszély LT Pavojinga LV Bīstami PL Niebezpieczeństwo RO Pericol</p> <p>H318 Causes serious eye damage.</p> <p>DE Verursacht schwere Augenschäden. ET Põhjustab raskeid silmakahjustusi. HU Súlyo szemkárosodást okoz. LT Smarkiai pažeidžia akis. LV Izraisa nopietnus acu bojājumus. PL Powoduje poważne uszkodzenie oczu. RO Provoacă leziuni oculare grave.</p> <p>EUH208 Contains Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. May produce an allergic reaction.</p> <p>DE Enthält Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Kann allergische Reaktionen hervorrufen. ET Sisaldab Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Võib esile kutsuda allergilise reaktsiooni. HU Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool-t tartalmaz. Allergiás reakciót válthat ki. LT Sudėtyje yra Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Gali sukelti alerginę reakciją. LV Satur Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Var izraisīt alerģisku reakciju. PL Zawiera Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol,</p> |

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| | <p>Hexyl Cinnamal, Linalool. Poate provoca o reacție alergică.</p> <p>RO Conține Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. Poate provoca o reacție alergică.</p> |
| Dimension of the pictogram (in millimetres) | <u>Capacity of the package:</u> ≤ 3 litres: not smaller than 10x10. If possible, at least 16x16. |
| Dimension of the label (in millimetres) | <u>Capacity of the package:</u> ≤ 3 litres: if possible, at least 52x74. |
| Precautionary Statement Prevention | <p>P102 Keep out reach of children.</p> <p>DE Darf nicht in die Hände von Kindern gelangen.</p> <p>ET Hoida lastele kättesaamatus kohas.</p> <p>HU Gyermekektől elzárva tartandó.</p> <p>LT Laikyti vaikams neprieinamoje vietoje.</p> <p>LV Sargāt no bērniem.</p> <p>PL Chronić przed dziećmi.</p> <p>RO A nu se lăsa la îndemâna copiilor.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/ face protection/hearing protection.</p> <p>DE Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.</p> <p>ET Kanda kaitsekindaid/kaitserõivastust/kaitseprille/kaitsemaski.</p> <p>HU Védőkesztyű/védőruha/szemvédő/arcvédő használatra kötelező.</p> <p>LT Mūvėti apsaugines pirštines/dėvėti apsauginius drabužius/naudoti akių (veido) apsaugos priemones.</p> <p>LV Izmantot aizsargcimdus/ aizsargdrēbes/ acu aizsargus/ sejas aizsargus.</p> <p>PL Stosować rękawice ochronne/ odzież ochronną/ ochronę oczu /ochronę twarzy.</p> <p>RO Purtați mănuși de protecție/îmbrăcăminte de protecție/echipament de protecție a ochilor/ echipament de protecție a feței.</p> |
| Precautionary Statement Response | <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>DE BEI KONTAKT MIT EN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen.. Weiter spülen.</p> <p>ET SILMA SATTUMISE KORRAL: loputada mitme minuti jooksul ettevaatlikult veega. Eemaldada kontaktläätsed, kui neid kasutatakse ja kui neid on kerge eemaldada. Loputada veel kord.</p> |

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| | <p>HU SZEMBE KERÜLÉS esetén: Több percig tartó óvatos öblítés vízzel. Adott esetben a kontaktlencsék eltávolítása, ha könnyen megoldható. Az öblítés folytatása.</p> <p>LT PATEKUS Į AKIS: Kelias minutes atsargiai plauti vandeniui. Išimti kontaktinius lęšius, jeigu jie yra ir jeigu lengvai galima tai padaryti. Toliau plauti akis.</p> <p>LV SASKARĒ AR ACĪM: uzmanīgi izskalot ar ūdeni vairākas minūtes. Izņemt kontaktlēcas, ja tās ir ievietotas un ja to ir viegli izdarīt. Turpināt skalot.</p> <p>PL W PRZYPADKU DOSTANIA SIĘ DO OCZU: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać.</p> <p>RO ÎN CAZ DE CONTACT CU OCHII: clătiți cu atenție cu apă timp de mai multe min te. Scoateți lentilele de contact, dacă este cazul și dacă acest lucru se poate face cu ușurință. Continuați să clătiți.</p> <p>P310 Immediately call a POISON CENTER/doctor.</p> <p>DE Sofort GIFTINFORMATIONSZENTRUM/Arz anrufen</p> <p>ES Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/médico.</p> <p>HU Azonnal forduljon TOXIKOLÓGIAI KÖZPONTHOZ/orvoshoz!.</p> <p>LT Nedelsiant skambinti į APSINUODIJIMŲ KONTROLĖS IR INFORMACIJOS BIURĄ/kreiptis į gydytoją!.</p> <p>LV Nekavējoties sazinieties ar SAINDĒŠANĀS INFORMĀCIJAS CENTRU/ārstu!.</p> <p>PL Natychmiast skontaktować się z OŚRODKIEM ZATRUĆ/lekarzem!.</p> <p>RO Sunați imediat la un CENTRU DE INFORMARE TOXICOLOGICĂ/un medic.</p> |
| Precautionary Statement Storage | - |
| Precautionary Statement Disposal | - |

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.

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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 |
| Alcohols, C12-16, ethoxylated, 2-15 EO | 500-221-7/ Not applicable/ No data available | 68551-12-2 | 17 - 20 | Acute Tox. 4, H302 Eye Dam. 1, H318 | M=1 |
| 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/ 01-2119490234-40-0000 | 85536-14-7 | 17 - 20 | Acute Tox. 4, H302 Skin Corr. 1C, H314 Aquatic Chronic 3, H412 | - |
| Ethanol; (Alcohol) | 200-578-6 / 603-002-00-5/ 01-2120063206-63-0000 | 64-17-5 | 10 - 15 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 | - |
| 2-aminoethanol; (Ethanolamine) | 205-483-3 / 603-030-00-8/ 01-2119486455-28 | 141-43-5 | 4 - 5 | Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Acute Tox. 4, H332 | - |
| Perfume; (Parfum) | Not applicable (Mixture) | - | 0.1 - 1.0 | Skin Irrit. 2, H315 Skin Sens 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 | - |
| Benzyl Salicylate** | 204-262-9 607-754-00-5/ 01-2119969442-31-0000 | 118-58-1 | 0 - 0.1 | Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 | - |
| Citral** | 226-394-6/ 605-019-00-3/ 01-2119462829-23-0000 | 5392-40-5 | 0 - 0.1 | Skin Irrit. 2, H315 Skin Sens. 1, H317 | - |
| Citronellol** | 203-375-0/ Not applicable/ 01-2119453995-23-0000 | 106-22-9 | 0 - 0.1 | Skin Sens. 1, H317 Eye Irrit. 2, H319 Skin Irrit. 2, H315 | - |

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| <i>Limonene</i> ** | 227-815-6/ 601-029-00-7/ No data available | 5989-54-8 | 0 – 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M=1 |
| <i>Geraniol</i> ** | 203-377-1/ 603-241-00-5/ 01-2119552430-49-0000 | 106-24-1 | 0 – 0.1 | Skin Sens. 1, H317 | - |
| <i>Hexyl Cinnamal</i> ** | 202-983-3/ Not applicable/ No (Pre-Registration process) | 101-86-0 | 0 – 0.1 | Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M=1 M(Chronic) =1 |
| <i>Linalool</i> ** | 201-134-4/ 603-235-00-2/ 01-2119474016-42-0000 | 78-70-6 | 0 – 0.1 | Skin Irrit.2, H315 Eye Irrit.2, H319 Skin Sens. 1, H317 | - |
| (1-hydroxy-1-phosphonoethyl)phosphonic acid; 1-hydroxy ethylidene-1,1-diphosphonic acid (HEDP); (<i>Etidronic Acid</i>) | 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 | - |
| Subtilisin | 232-752-2 / 647-012-00-8/ 01-2119480434-38 | 9014-01-1 | 0 – 0.1 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Resp. Sens. 1, H334 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 | M=1 |
| amylase, α-; (Amylase) | 232-565-6 / 647-015-00-4/ 01-2119938627-26 | 9000-90-2 | 0 – 0.1 | Resp. Sens. 1, H334 | - |
| Coco-Glucoside | 604-232-9 / Not applicable/ No data available | 141464-42-8 | 0.02 – 0.05 | Skin Irrit. 2, H315 Eye Dam. 1, H318 | - |
| Water and other ingredients, determined not to be hazardous | Balance | | | | |

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

** - *parfum hazardous ingredients*.

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

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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 damage.

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 SUBSTANCE OR MIXTURE:

In case of fire, toxic incineration products may be released such as: carbon monoxide (CO), carbon dioxide (CO₂), sulphur oxides and nitrogen oxides. Do not inhale explosion and combustion gases. Burning produces heavy smoke.
Non hazardous

EXPLOSION HAZARD:

5.3. ADVICE FOR FIREFIGHTERS:

Contact emergency personnel. Use self-contained 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 without 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.

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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 (<25°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. |
|--------------------------------------|----------|------------------------|-----------------------|
| Ethanol*** | 64-17-5 | 1000 mg/m ³ | - |
| 2-aminoethanol; (Ethanolamine)*** | 141-43-5 | 0.5 mg/m ³ | 7.6 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 | End use | Exposure | Potential | DNEL | NOAEL or NOAEC values |
|-----------|---------|----------|-----------|------|-----------------------|
|-----------|---------|----------|-----------|------|-----------------------|

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| name | | routes | health effects | Level | |
|---|-----------|------------|----------------------------|--------------------------------------|-----------------------|
| 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 | |

| Substance name | End use | Exposure routes | Potential health effects | DNEL Level | NOAEL or NOAEC values |
|------------------------------------|-----------|-----------------|----------------------------|-----------------------|-----------------------|
| Ethanol CAS No.: 64-17-5 | Workers | Inhalation | Long-term systemic effects | 950 mg/m ³ | - |
| | Workers | Dermal | Long-term systemic effects | 343 mg/kg bw/day | - |
| | Consumers | Inhalation | Long-term systemic effects | 114 mg/m ³ | - |
| | Consumers | Dermal | Long-term systemic effects | 206 mg/kg bw/day | - |
| | Consumers | Oral | Long-term systemic effects | 87 mg/kg bw/day | - |

| | | | | | |
|--|-----------|------------|----------------------------|--------------------------------------|--------------------------------------|
| 2-aminoethanol; (Ethanolamine) CAS No.: 141-43-5 | Workers | Inhalation | Long-term systemic effects | 1 mg/m ³ | 75.4 mg/m ³ (NOAEC) (rat) |
| | Workers | Dermal | Long-term systemic effects | 3 mg/kg bw/day | 300 mg/kg bw/day (NOAEL, rat) |
| | Workers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Inhalation | Long-term systemic effects | 0.18 mg/m ³ | 10 mg/m ³ (NOAEC) (rat) |
| | Consumers | Dermal | Long-term systemic effects | 1.5 mg/kg bw/day | 300 mg/kg bw/day (NOAEL, rat) |
| | Consumers | Eyes | Long-term systemic effects | medium hazard (no threshold derived) | - |
| | Consumers | Oral | Long-term systemic effects | 1.5 mg/kg bw/day | 300 mg/kg bw/day (NOAEL, rat) |

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| | | | | | |
|---|-----------|------------|----------------------------|--------------------------------------|-----------------------------------|
| Etidronic Acid CAS No.: 2809-21-4 | 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 | 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) |

| Substance name | End use | Exposure routes | Potential health effects | DNEL Level | NOAEL or NOAEC values |
|---|---|-----------------|----------------------------|-----------------------------------|----------------------------------|
| Subtilisin CAS No.: 9014-01-1 | Workers | Inhalation | Long-term systemic effects | No hazard identified | No hazard identified |
| | Workers | Dermal | Long-term systemic effects | No hazard identified | No hazard identified |
| | Workers | Eyes | Long-term systemic effects | No hazard identified | No hazard identified |
| | Consumers | Inhalation | Long-term systemic effects | No hazard identified | No hazard identified |
| | Consumers | Dermal | Long-term systemic effects | No hazard identified | No hazard identified |
| | Consumers | Eyes | Long-term systemic effects | Low hazard (no threshold derived) | - |
| | Consumers | Oral | Long-term systemic effects | 1.8 mg/kg bw/day | 360 mg/kg bw/day (NOAEL, rat) |
| | amylase, α-; (Amylase) CAS No.: 9000-90-2 | Workers | Inhalation | Long-term systemic effects | No hazard identified |
| Workers | | Dermal | Long-term systemic effects | No hazard identified | No hazard identified |
| Workers | | Eyes | Long-term systemic effects | No hazard identified | No hazard identified |
| Consumers | | Inhalation | Long-term systemic effects | No hazard identified | No hazard identified |
| Consumers | | Dermal | Long-term systemic effects | No hazard identified | No hazard identified |

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| | | | | | |
|--|-----------|------|----------------------------|----------------------|----------------------|
| | Consumers | Eyes | Long-term systemic effects | No hazard identified | No hazard identified |
| | Consumers | Oral | Long-term systemic effects | No hazard identified | No hazard identified |

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-through 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 regularly 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 in a square capsule

COLOUR:

In accordance with the standard

ODOUR:

Characteristic

pH – VALUE AT 20 °C (1% water solution):

7.0 – 10.0 (8.62)

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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

$\log K_{ow} = 2$ (Dodecylbenzene Sulfonic Acid);

$\log K_{ow} = - 0.35$ (Ethanol);

$\log K_{ow} = - 2.3$ (2-aminoethanol);

$\log K_{ow} = - 3.50$ (Etidronic Acid);

$\log K_{ow} = - 3.1$ (Subtilisin);

$\log K_{ow} = - 1.3$ (Amylase).

% 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.

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11.1. INFORMATION ON MIXTURE INGREDIENTS TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: Not classified as toxic.

Hazardous Ingredients:

| Ingredients Name: | CAS No. | Composition Range | LD50/LC50 (oral) | LD50/LC50 (dermal) |
|---|-------------|-------------------|------------------------------------|---------------------------|
| Alcohols, C12-16, ethoxylated, 2-15 EO | 68551-12-2 | 17 - 20 % | LD50 = 1650 mg/kg (Rat, female) | LD50 >2000 mg/kg (Rat) |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs; Dodecylbenzenesulphonic acid; (Dodecylbenzene Sulfonic Acid) | 85536-14-7 | 17 - 20 % | LD50 = 1470 mg/kg (Rat) | LD50 = >2000 mg/kg (Rat) |
| Ethanol; (Alcohol) | 64-17-5 | 10 - 15 % | LD50 >14 450 - <15 560 mg/kg (Rat) | LD50 >2000 mg/kg (Rat) |
| 2-aminoethanol; (Ethanolamine) | 141-43-5 | 4 - 5 % | LD50 1089 mg/kg (Rat) | LD50 >2000 mg/kg (Rat) |
| Etidronic Acid | 2809-21-4 | 0.2 – 0.5 % | LD50= 1878 mg/kg (Rat) | LD50 >5000 mg/kg (Rabbit) |
| Subtilisin | 9014-01-1 | 0 – 0.1 % | LD50= 1800 mg/kg (Rat) | LD50 >2000 mg/kg |
| amylase, α-; (Amylase) | 9000-90-2 | 0 – 0.1 % | LD50= 1911 mg/kg (Rat) | LD50 >2000 mg/kg |
| Coco-Glucoside | 141464-42-8 | 0.02 – 0.05% | LD50 >2000 mg/kg | LD50 >2000 mg/kg |

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 sensitising effect known

CHRONIC EFFECT:

No chronic effect known

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| | |
|---|---|
| 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 toxic effect known |

SECTION 12: Ecological information

12.1. TOXICITY: 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: | |
| 68551-12-2 Alcohols, C12-16, ethoxylated, 2-15 EO | |
| EC ₅₀ / 48 h | No data available |
| EC ₅₀ / 72 h | 1 - 10 mg/l – Algae (<i>Scenedesmus subspicatus</i>) |
| LC ₅₀ / 96 h | No data available |
| 85536-14-7 Dodecylbenzene Sulfonic Acid | |
| EC ₅₀ / 48 h | 5.2 mg/l - (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 72 h | 36 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 5.6 mg/l – Fish (OECD 203) |
| 64-17-5 Ethanol | |
| EC ₅₀ / 48 h | 5012 mg/l |
| EC ₅₀ / 72 h | 275 mg/l – Algae |
| LC ₅₀ / 96 h | 14200 mg/l – Fish (Ethanol is of very low toxicity to fish) |
| 141-43-5 2-aminoethanol | |
| EC ₅₀ / 48 h | 27 mg/l |
| EC ₅₀ / 72 h | 2.8 mg/l - Algae |
| LC ₅₀ / 96 h | >100 mg/l – Fish (With high probability acutely not harmful to fish) |
| 2809-21-4 Etidronic Acid | |
| EC ₅₀ / 48 h | 527 mg/l (<i>Daphnia magna</i>) (OECD 202) |
| EC ₅₀ / 96 h | 3 mg/l – Algae (OECD 201) |
| LC ₅₀ / 96 h | 195 mg/l – Fish (OECD 203) |
| 9014-01-1 Subtilisin | |
| EC ₅₀ / 48 h | 586 µg aep/l (OECD TG 202) |

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| | |
|-----------------------------------|-------------------------------------|
| EC ₅₀ / 72 h | 290 µg aep/L |
| LC ₅₀ / 96 h | 8.2 mg aep/l (OECD TG 203) |
| 9000-90-2 Amylase | |
| EC ₅₀ / 48 h | 31.7 - 457 mg aep/l (OECD TG 202) |
| EC ₅₀ / 72 h | 24 mg/l – Algae |
| LC ₅₀ / 96 h | 58.3 - 326.7 mg aep/l (OECD TG 203) |
| 141464-42-8 Coco-Glucoside | |
| No data available. | |

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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) |
|--|---------------------------|--|
| Alcohols, C12-16, ethoxylated, 2-15 EO | 85 % | 28 (301 F) |
| Dodecylbenzene Sulfonic Acid | 94 % | 28 (301 B) |
| Ethanol | Readily biodegradable | - |
| 2-aminoethanol | > 90 % | 21 (301 A) |
| Etidronic Acid | Not readily biodegradable | 28 (301 D) |
| Subtilisin | Readily biodegradable | - |
| Amylase | 99 % | 28 (301 E) |
| Coco-Glucoside | No data available | - |

12.3. BIOACCUMULATIVE POTENTIAL

Not expected to bioaccumulate

| Ingredient | BCF | Note |
|--|--------------|---|
| Alcohols, C12-16, ethoxylated, 2-15 EO | - | No data available |
| 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. |
| Ethanol | - | Not required - ethanol has a low partition coefficient/fully miscible with water. |
| 2-aminoethanol | 2.5 | - |
| Etidronic Acid | <2 | Not expected to bioaccumulate |
| Subtilisin | - | Not bioaccumulate |
| Amylase | - | The study does not need to be conducted because the substance has a low potential for bioaccumulation based on log Kow <=3 and a low potential to cross biological membranes. |

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| | | |
|----------------|---|-------------------|
| Coco-Glucoside | - | No data available |
|----------------|---|-------------------|

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 |
|--|--|---|
| Alcohols, C12-16, ethoxylated, 2-15 EO | - | No data available |
| Dodecylbenzene Sulfonic Acid | 3.6 | Expected to be mobile |
| Ethanol | - 0.35 | Highly mobile |
| 2-aminoethanol | - 2.3 | Highly mobile |
| Etidronic Acid | - 1.32 | Highly mobile: Do not allow to penetrate into soil, water bodies, or drains |
| Subtilisin | - 3.1 | Highly mobile |
| Amylase | - 1.3 | Highly mobile |
| Coco-Glucoside | - | No data available |

ASSESSMENT TRANSPORT BETWEEN ENVIRONMENTAL COMPARTMENTS:

Adsorption 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:

None

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:

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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 CATALOGUE

| EWCODE | 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 | |
| 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. ENVIRONMENTAL HAZARDS: | |
| ADR-ENVIRONMENTAL POLLUTANT | No classified |
| MARINE POLLUTANT | Harmful to aquatic life with long lasting effects. |
| 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 |

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 Commission Regulation (EU) No 2020/878 of 18 June 2020



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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 ENVIRONMENTAL 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.

COMMISSION 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:

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|--------------------------|---|
| Flam. Liq. 2 | Flammable liquids – Category 2 |
| Flam. Liq. 3 | Flammable liquids – Category 3 |
| Met. Corr. 1 | Corrosive to metals – Category 1 |
| Acute Tox. 4 | Acute toxicity – Category 4 |
| Asp. Tox. 1 | Aspiration hazard – Category 1 |
| Skin Corr. 1B | Skin corrosion – Category 1B |
| Skin Corr. 1C | Skin corrosion – Category 1C |
| Skin Irrit. 2 | Skin irritation – Category 2 |
| Eye Dam. 1 | Eye Damage – Category 1 |
| Eye Irrit. 2 | Eye irritation – Category 2 |
| Skin Sens. 1 | Skin Sensitisation– Category 1 |
| Skin Sens. 1B | Skin Sensitisation– Category 1B |
| Resp. Sens. 1 | Sensitisation – Respiratory – Category 1 |
| STOT SE 3 | Specific target organ toxicity - single exposure– Category 3 |
| Aquatuc Acute 1 | Acute aquatic toxicity - Category1 |
| Aquatic Chronic 1 | Chronic aquatic toxicity - Category1 |
| Aquatic Chronic 2 | Chronic aquatic toxicity - Category 2 |
| Aquatic Chronic 3 | Chronic aquatic toxicity - Category 3 |
| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour |
| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335 | May cause respiratory irritation |

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|--------|---|
| H336 | May cause drowsiness or dizziness |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| EUH208 | Contains (name of sensitising substance). May produce an allergic reaction. |

ABBREVIATIONS AND ACRONYMS:

| | |
|-------------------------|---|
| PBT: | Persistent, bioaccumulative, toxic |
| vPvB: | Very persistent, very bioaccumulative |
| EC: | European Inventory of Existing Commercial Chemical Substances |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society) |
| Index No.: | International Substance 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 |
| LC₅₀: | Median (50 %) lethal concentration |
| LD₅₀: | Median (50%) lethal dose |
| EC₅₀: | 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.