

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



UNIVERSAL CLEANER "WASH&FREE" DAS SANITARY

Version No. 01

Dated: 2023-08-07

Printed: 2023-08-07

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

1.1. PRODUCT IDENTIFIER:

MIXTURE IDENTIFICATION:	Universal cleaner for sanitary areas.
MIXTURE PACKAGING:	500 g, 1000 g
MIXTURE CONTAINS:	< 5% non-ionic surfactants, other ingredients: CI 42090. Contains: Hydrochloric acid.
TRADE NAME:	Universal cleaner "Wash&Free" das sanitary
TRADE CODE:	-
TRADE MARK:	Wash&Free
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:	6F61-U0QJ-W002-7JEP

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

RECOMMENDED USE:	Household. Universal cleaner for sanitary areas. 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 "
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 THE MATERIAL SAFETY DATA SHEET:	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 Widai 200 rue du faubourg St-Denis 75475 Paris Cedex 10	+33 (0)1 45 42 59 59
Germany	"2K" Haushaltchemie GmbH	Lützner Str. 7 a, 04177 Leipzig, Germany	+491787178800
Greese	Poisons Information Centre	11527 Athens	+30 10 779 3777
Greese	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, Universita 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 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
NORWAY	Poisons Information Directorate of Health and Social Affairs	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300

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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)	
	Skin Corr. 1B, H314	EN Causes severe skin burns and eye damage. CS Způsobuje těžké poleptání kůže a poškození očí. DE Verursacht schwere Verätzungen der Haut und schwere Augenschäden. ET Põhjustab rasket nahasöövitust ja silmakahjustusi. HU Súlyos égési sérülést és szemkárosodást okoz. LT Smarkiai nudegina odą ir pažeidžia akis. LV Izraisa smagus ādas apdegumus un acu bojājumus. PL Powoduje poważne oparzenia skóry oraz uszkodzenia oczu. RO Provoacă arsuri grave ale pielii și lezarea ochilor. SK Spôsobuje vážne poleptanie kože a poškodenie očí.
	Eye Dam. 1, H318	EN Causes serious eye damage. CS Způsobuje vážné poškození očí. DE Verursacht schwere Augenschäden. ET Põhjustab raskeid silmakahjustusi. HU Súlyos szemkárosodást okoz. LT Smarkiai pažeidžia akis. LV Izraisa nopietnus acu bojājumus. PL Powoduje poważne uszkodzenie oczu. RO Provoacă leziuni oculare grave. SK Spôsobuje vážne poškodenie očí.

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
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	EN Danger CS Nebezpečí DE Gefahr ET Ettevaatust HU Veszély LT Pavojinga LV Bīstami PL Niebezpieczeństwo RO Pericol SK Nebezpečnostvo
Hazard statements	H314 EN Causes severe skin burns and eye damage. CS Způsobuje těžké poleptání kůže a poškození očí. DE Verursacht schwere Verätzungen der Haut und schwere Augenschäden. ET Põhjustab rasket nahasöövitust ja silmakahjustusi. HU Súlyos égési sérülést és szemkárosodást okoz. LT Smarkiai nudegina odą ir pažeidžia akis. LV Izraisa smagus ādas apdegumus un acu bojājumus. PL Powoduje poważne oparzenia skóry oraz uszkodzenia oczu. RO Provoacă arsuri grave ale pielii și lezarea ochilor. SK Spôsobuje vážne poleptanie kože a poškodenie očí. H318 EN Causes serious eye damage. CS Způsobuje vážné poškození očí. DE Verursacht schwere Augenschäden. ET Põhjustab raskeid silmakahjustusi. HU Súlyos szemkárosodást okoz. LT Smarkiai pažeidžia akis. LV Izraisa nopietnus acu bojājumus. PL Powoduje poważne uszkodzenie oczu. RO Provoacă leziuni oculare grave. SK Spôsobuje vážne poškodenie očí.
Dimension of the pictogram (in millimetres)	<u>Capacity of the package:</u> ≤ 3 litres: not smaller than 10x10. If possible, at least 16x16. <u>Capacity of the package:</u> > 3 litres but ≤ 50 litres: at least 23x23.
Dimension of the label (in millimetres)	<u>Capacity of the package:</u> ≤ 3 litres: if possible, at least 52x74. <u>Capacity of the package:</u> > 3 litres but ≤ 50 litres: at least 74x105.

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Precautionary Statement Prevention

P102

EN Keep out of reach of children.

- CS Uchovávejte mimo dosah dětí.
- DE Darf nicht in die Hände von Kindern gelangen.
- ET Hoida lastele kättesaamatus kohas.
- HU Gyermekektől elzárva tartandó.
- LT Laikyti vaikams neprieinamoje vietoje.
- LV Sargāt no bērniem.
- PL Chronić przed dziećmi.
- RO A nu se lăsa la îndemâna copiilor.
- SK Uchovávať mimo dosahu detí.

P264

EN Wash hands thoroughly after handling.

- CS Po manipulaci důkladně omyjte ruce.
- DE Nach Gebrauch Hände gründlich waschen.
- ET Pärast käitlemist pesta hoolega käed.
- HU A használatot követően a kezét alaposan meg kell mosni.
- LT Po naudojimo kruopščiai nuplauti rankas.
- LV Pēc izmantošanas rokas kārtīgi nomazgāt.
- PL Dokładnie umyć ręce po użyciu.
- RO Spălați-vă mâinile bine după utilizare.
- SK Po manipulácii starostlivo umyte ruky.

P280

EN Wear protective gloves/protective clothing/eye protection/face protection.

- CS Používejte ochranné rukavice/ochranný oděv/ochranné brýle/obličejový štít.
- DE Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.
- ET Kanda kaitsekindaid/kaitserõivastust/kaitseprille/kaitsemaski.
- HU Védőkesztyű/védőruha/szemvédő/arcvédő használatra kötelező.
- LT Mūvėti apsaugines pirštines/dėvėti apsauginius drabužius/naudoti akių (veido) apsaugos priemonės.
- LV Izmantot aizsargcimdus/ aizsargdrēbes/ acu aizsargus/ sejas aizsargus.
- PL Stosować rękawice ochronne/ odzież ochronną/ ochronę oczu /ochronę twarzy.
- RO Purtati mănuși de protecție/îmbrăcăminte de protecție/echipament de protecție a ochilor/ echipament de protecție a feței.

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	SK Noste ochranné rukavice/ochranný odev/ochranné okuliare/ochranu tváre.
Precautionary Statement Response	P301+P310 EN IF SWALLOWED: Immediately call a POISON CENTER/doctor. CS PŘI POŽITÍ: Okamžitě volejte TOXIKOLOGICKÉ INFORMAČNÍ STŘEDISKO/lékaře. DE BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM/Arzt/anrufen. ET ALLANEELAMISE KORRAL: võtta viivitamata ühendust MÜRGISTUSTEABEKESKUSE/arstiga. HU LENYELÉS ESETÉN: Azonnal forduljon TOXIKOLÓGIAI KÖZPONTHOZ/ orvoshoz. LT PRARIJUS: nedelsiant skambinti į APSINUODIJIMŲ KONTROLĖS IR INFORMACIJOS BIURĄ/kreiptis į gydytoją. LV NORĪŠANAS GADĪJUMĀ: nekavējoties sazinieties ar SAINDĒŠANĀS INFORMĀCIJAS CENTRU/ārstu. PL W PRZYPADKU POŁKNIECIA: Natychmiast skontaktować się z OŚRODKIEM ZATRUĆ/ lekarzem. RO ÎN CAZ DE ÎNGHIȚIRE: sunați imediat la un CENTRU DE INFORMARE TOXICOLOGICĂ/un medic. SK PO POŽITÍ: Okamžite volajte TOXIKOLOGICKÉ INFORMAČNÉ CENTRUM/lekára.
	P303+P361+P353 EN IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. CS PŘI STYKU S KŮŽÍ (nebo s vlasy): Veškeré kontaminované části oděvu okamžitě svlékněte. Opláchněte kůži vodou/osprchujte. DE BEI BERÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen oder duschen. ET NAHALE (või juustele) SATTUMISE KORRAL: kõik saastunud rõivad viivitamata seljast võtta. Loputada nahka veega või loputada duši all. HU HA BŐRRE (vagy hajra) KERÜL: Az összes szennyezett ruhadarabot azonnal le kell vetni. A bőrt le kell öblíteni vízzel vagy zuhanyozás. LT PATEKUS ANT ODOS (arba plaukų): nedelsiant nuvilkti visus užterštus drabužius. Odą nuplauti vandenių arba čiurkšle. LV SASKARĒ AR ĀDU (vai matiēm): Nekavējoties novilkt visu piesārņoto apģērbu. Noskalot ādu ar ūdeni vai iet dušā. PL W PRZYPADKU KONTAKTU ZE SKÓRĄ (lub z włosami): Natychmiast zdjąć całą zanieczyszczoną odzież. Spłukać skórę pod strumieniem

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wody lub prysznicem.

RO ÎN CAZ DE CONTACT CU PIELEA (sau cu părul): Scoateți imediat toată îmbrăcămintea contaminată. Clătiți pielea cu apă sau faceți duș.

SK PRI KONTAKTE S POKOŽKOU (alebo vlasmi): Všetky kontaminované časti odevu okamžite vyzlečte. Pokožku opláchnite vodou/sprchou.

P332+P313

EN If skin irritation occurs: Get medical advice/ attention.

CS Při podráždění kůže: Vyhledejte lékařskou pomoc/ošetření.

DE Bei Hautreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.

ET Nahaärrituse korral: pöörduda arsti poole.

HU Bőrirritáció esetén: orvosi ellátást kell kérni.

LT Jeigu sudirginama oda: kreiptis į gydytoją.

LV Ja rodas ādas iekaisums: lūdziet mediķu palīdzību.

PL W przypadku wystąpienia podrażnienia skóry: Zasięgnąć porady/zgłosić się pod opiekę lekarza.

RO În caz de iritare a pielii: consultați medicul.

SK Ak sa objaví podráždenie pokožky, vyhľadajte lekársku pomoc/starostlivosť.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.

EN Remove contact lenses, if present and easy to do. Continue rinsing.

CS PŘI ZASAŽENÍ OČÍ: Několik minut opatrně vyplachujte vodou. Vyjměte kontaktní čočky, jsou-li nasazeny a pokud je lze vyjmout snadno. Pokračujte ve vyplachování.

DE BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen.. Weiter spülen.

ET SILMA SATTUMISE KORRAL: loputada mitme minuti jooksul ettevaatlikult veega. Eemaldada kontaktläätsed, kui neid kasutatakse ja kui neid on kerge eemaldada. Loputada veel kord.

HU SZEMBE KERÜLÉS esetén: Több percig tartó óvatos öblítés vízzel. Adott esetben a kontaktlencsék eltávolítása, ha könnyen megoldható. Az öblítés folytatása.

LT PATEKUS Į AKIS: Kelias minutes atsargiai plauti vandeniu. Išimti kontaktinius lęšius, jeigu jie yra ir jeigu lengvai galima tai padaryti. Toliau plauti akis.

LV SASKARĒ AR ACĪM: uzmanīgi izskalot ar ūdeni vairākas minūtes. Izņemt kontaktlēcas, ja tās ir ievietotas un ja to ir viegli izdarīt. Turpināt skalot.

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	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. RO ÎN CAZ DE CONTACT CU OCHII: clătiți cu atenție cu apă timp de mai multe minute. Scoateți lentilele de contact, dacă este cazul și dacă acest lucru se poate face cu ușurință. Continuați să clătiți. SK PO ZASIAHNUTÍ OČÍ: Niekoľko minút ich opatrne vyplachujte vodou. Ak používate kontaktné šošovky a ak je to možné, odstráňte ich. Pokračujte vo vyplachovaní. P337 + P313 EN If eye irritation persists: Get medical advice/ attention. CS Přetrvává-li podráždění očí: Vyhledejte lékařskou pomoc/ošetření. DE Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen. ET Kui silmade ärritus ei möödu: pööruda arsti poole. HU Ha a szemirritáció nem múlik el: orvosi ellátást kell kérni. LT Jei akių dirginimas neprašina: kreiptis į gydytoją. LV Ja acu iekaisums nepāriet: lūdziet medicīnu palīdzību. PL W przypadku utrzymywania się działania drażniącego na oczy: Zasięgnąć porady/zgłosić się pod opiekę lekarza. RO Dacă iritarea ochilor persistă: consultați medicul. SK Ak podráždenie očí pretrváva: vyhľadajte lekársku pomoc/starostlivosť.
Precautionary Statement Storage	---
Precautionary Statement Disposal	P501 EN Dispose of contents/container in accordance with local, regional, national and international regulations CS Odstraňte obsah/obal podle místních/regionálních/státních/mezinárodních předpisů. DE Inhalt/Behälter gemäß lokalen/regionalen/nationalen/internationalen Vorschriften der Entsorgung zuführen. ET Sisu / mahuti kõrvaldada vastavalt kohalikele / riiklikele eeskirjadele. HU A tartalom/edény elhelyezése hulladékként: a helyi/területi/országos/nemzetközi előírásoknak megfelelően. LT Turinį/talpyklą išpilti (išmesti) pagal nacionalinius reikalavimus. LV Atbrīvoties no satura un tvertnes saskaņā ar valsts noteikumiem. PL Zawartość/pojemnik należy utylizować zgodnie z lokalnymi, regionalnymi, krajowymi i przepisy międzynarodowe. RO Aruncați conținutului/containerului în conformitate cu local, regional, național și reglementările internaționale. SK Zneškodnite obsah/nádobu v súlade s miestnymi/regionálnymi/vnútroštátnymi/ medzinárodnými predpismi.

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Contains:	Contains Hydrochloric acid, Oleyl Amine Ethoxylat. <i>Enthält Hydrochloric acid, Oleyl Amine Ethoxylat.</i>
Supplemental label elements:	< 5% non-ionic surfactants, other ingredients: CI 42090. Contains: Hydrochloric acid.
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:	Yes
Tactile warning of danger: shall be fitted with a tactile warning of danger.	Yes

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
Hydrochloric acid*	231-595-7/ 017-002-01-X/ 01-2119484862-27-0019	7647-01-0	8 - 9	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335	Specific Conc. Limits: Eye Irrit. 2; H319: 10 % ≤ C < 25 % STOT SE 3: C ≥ 10 % Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 %
(Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate)	500-048-7/ Not applicable/ 01-2120785735-39-0000	26635-93-8	1 - 3	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411	-

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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. Rinse skin with water for at least 15 minutes. 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.
- INHALATION:** If respiratory irritation occurs, remove casualty to fresh air and keep warm and at rest. Allow the victim to rest. Consult physician if necessary.

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

Causes severe skin burns and eye damage. 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), hydrogen chloride. 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.

- 5.4. ADDITIONAL INFORMATION:** Move undamaged containers from immediate hazard area if it

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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. Provide adequate ventilation. Use a water rinse for final clean-up.

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, cool, well ventilated area. Keep out of reach of children.

For Non-Household Settings:

Store in closed container in dry, cool, well ventilated area. Keep out of reach of children.

7.2. Conditions for Safe Storage:

For Household Settings: Store in closed container in dry, cool, well ventilated area. Keep out of reach of children.

For Non-Household Settings: Protect from sunlight and do not expose to temperatures exceeding +25°C. Store in closed container in dry, cool, well ventilated area. 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.
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Hydrochloric acid	7647-01-0	8* mg/m ³	5* ml/m ³
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* 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
Hydrochloric acid CAS No.: 7647-01-0	Workers	Inhalation	Long-term systemic effects	5 ppm	-
	Consumers	Inhalation	Long-term systemic effects	5 ppm	-
(Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate) CAS No.: 26635-93-8	Workers	Inhalation	Long-term systemic effects	2.112 mg/m ³	52.8 mg/m ³ (NOAEC, rat)
	Workers	Dermal	Long-term systemic effects	0.3 mg/kg bw/day	30 mg/kg bw/day (NOAEL, rat)
	Consumers	Inhalation	Long-term systemic effects	0.745 mg/m ³	26.09 mg/m ³ (NOAEC, rat)
	Consumers	Dermal	Long-term systemic effects	0.214 mg/kg bw/day	30 mg/kg bw/day (NOAEL, rat)
	Consumers	Oral	Long-term systemic effects	0.124 mg/kg bw/day	30 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. Ensure there is sufficient ventilation of the area.

RESPIRATORY PROTECTION:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

BODY PROTECTION:

Protective clothing and footwear.

EYE PROTECTION:

Safety goggles

PROTECTION OF HANDS:

Protective gloves. Suitable material: NR (natural rubber), CR (polychloroprene) or NBR (nitrile rubber), category III according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working

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place concentration and quantity of hazardous substances. Breakthrough time (maximal wear duration): Wear duration with occasional contact, splashes (Level 2: < 30 min): Disposable-gloves, Thickness of the material 0,1mm. Wear duration with permanent contact (Level 6: < 480min): Protective gloves, Thickness of the glove material 0,7 mm. Breakthrough times and swelling properties of the material must be taken into consideration.

- material of gloves:

NR (natural rubber), CR (polychloroprene) or NBR (nitrile rubber), category III according to EN 374.

- 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
COLOUR:	Turquoise
ODOUR:	Characteristic
pH – VALUE AT 20 °C:	1.5 – 3.0
MAXIMUM FOAM HEIGHT, % OF THE SCALE, NOT MORE THAN:	Not determined
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

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FLAMMABILITY (solid, gaseous):

Not applicable - liquid

9.2. OTHER INFORMATION:

PARTITION COEFFICIENT: n-OCTANOL/WATER $\log K_{ow} = 3.4$ (Oleyl Amine Ethoxylate)

% VOC: Complies with EC regulations for VOC content.

SECTION 10: Stability and reactivity

- 10.1. REACTIVITY: Stable under recommended transport or storage 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 bases.
- 10.5. INCOMPATIBLE MATERIALS: Strong bases. Do not mix with chlorinated products (such as bleach). Do not mix with any other product or chemical unless specified in the use directions.
- 10.6. HAZARDOUS DECOMPOSITION PRODUCTS: In combustion emits toxic fumes. After contact with alkali development of heat.

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)
Hydrochloric acid	7647-01-0	8 - 9	LD50 = 238 - 277 mg/kg (Rat)	LD50 >5010 mg/kg (Rat)
(Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate)	26635-93-8	1 - 3	LD50 = 1260 mg/kg (Rat)	LD50 >2000 mg/kg

PRIMARY IRRITANT EFFECT:

ON THE SKIN:

Causes severe skin burns and eye damage. Symptoms may include burns, blisters, redness and pain (which may be delayed).

ON THE EYE:

Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

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INHALATION:	May cause mild, transient respiratory irritation. Avoid prolonged contact to concentrated vapors.
INGESTION:	May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
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 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:	
7647-01-0 Hydrochloric acid	
EC ₅₀ / 48 h	0.45 mg/l – Invertebrates (fresh water)
EC ₅₀ / 72 h	0.73 mg/l – Algae (<i>Chlorella vulgaris</i>)
LC ₅₀ / 96 h	20.5 mg/l – Fish (<i>Lepomis macrochirus</i>)
26635-93-8 (Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate)	
EC ₅₀ / 48 h	0.043 mg/l - Invertebrates (fresh water)
EC ₅₀ / 72 h	86.7 µg/l– Algae (OECD 201)
LC ₅₀ / 96 h	>1 – 10 mg/l – Fish (Danio rerio (zebra fish)) (OECD 203)

*It is accepted that the aquatic toxicity of hydrochloric acid results if sufficient acid is present to produce a very low pH (i. e. pH 3-5). Given that the environmental exposure assessment shows insignificant perturbation of aquatic pH levels from the formulation of the product and its proposed use, it is considered that there is no longterm risk to aquatic organisms and therefore chronic fish effects data are not require.

12.2. PERSISTENCE AND DEGRADABILITY:

ASSESSMENT BIODEGRADATION AND ELIMINATION:

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

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available to them, at their direct request or at the request of a detergent manufacturer.

Ingredient	Biodegradability
Hydrochloric acid	As the active substance, hydrochloric acid, is an inorganic compound, which is not biologically degradable, the ready biodegradability, inherent biodegradability and biodegradation in seawater are scientifically impossible to perform.
(Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate)	For primary fatty amines ethoxylates with chain lengths of C12 to C18 (saturated and unsaturated) many ready biodegradability test results in excess of 60% at day 28 are available. Biodegradation in excess of 60% was not achieved in a few tests. The low biodegradability percentages obtained in these tests should be attributed to the biocidal properties of primary fatty amine ethoxylates and should consequently be ignored.

12.3. BIOACCUMULATIVE POTENTIAL

Not expected to bioaccumulate

Ingredient	BCF	Note
Hydrochloric acid		Hydrochloric acid does not bioaccumulate or bioconcentrate.
(Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate)	23.4 L/kg ww	Readily biodegradable

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
Hydrochloric acid		Terrestrial compartment is not expected to be relevant. If emitted to soil, sorption to soil particles will be negligible.
(Z)-Octadec-9-enylamine, ethoxylated (Oleyl Amine Ethoxylate)	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

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- 12.5. RESULTS OF PBT UN vPvB ASSESSMENT:** into the aquatic environment without preliminary treatments (biological purification plant). 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 CATALOGUE	
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:** UN 3264

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14.2. UN PROPER SHIPPING NAME:

ADR, IATA, IMDG

UN 3264, Corrosive Liquid, Acid, Inorganic, N.O.S.
(Hydrochloric acid)

14.3. TRANSPORT HAZARD CLASS (ES):

ADR, IATA, IMDG

CLASS

8

14.4. PACKING GROUP:

ADR, IATA, IMDG

II

14.5. ENVIRONMENTAL HAZARDS:

ADR-ENVIRONMENTAL POLLUTANT

No data available

MARINE POLLUTANT

No data available

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 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

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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:

Met. Corr. 1	Corrosive to metals – Hazard Category 1
Acute Tox. 4	Acute toxicity – Hazard Category 4
Skin Corr. 1B	Skin corrosion – Hazard Category 1B
Eye Dam. 1	Eye Damage – Hazard Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation
Aquatic Chronic 2	Chronic aquatic toxicity - Hazard Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

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.: 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

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	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