

# 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. 02

Dated: 2024-01-04

Printed: 2024-01-05

### 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% non-ionic surfactants, anionic surfactants, ≥ 5 - < 15% soap, < 5 % polycarboxylates, enzymes, phosphonates, perfume (Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool), CI 42090, CI 19140, CI 14720.
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 <b>Q2W3-U007-7003-H20H</b>

#### 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
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)

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1.4.1. Emergency telephone number for other countries:

Country	Official advisory body	Address	Emergency number
<a href="#">AUSTRIA</a>	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
<a href="#">BELGIUM</a>	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
<a href="#">BULGARIA</a>	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,
<a href="#">CROATIA</a>	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.
<a href="#">CZECH REPUBLIC</a>	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
<a href="#">DENMARK</a>	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
<a href="#">ESTONIA</a>	Estonian Emergency Response Centre	Osmussaare 2, 13811 Tallinn General info: 6287 400	National emergency telephone number (Häirekeskuse number) is 112 Mürgistusteabeskuse infoliin 16662 (välisriigist helistades (+372)7943794)
<a href="#">FINLAND</a>	Poisons Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	Medical Helpline 116117 Open 24 hours a day 0800 147 111 (the call is free of charge) 09 471 977 +358 9 471 977
<a href="#">FRANCE</a>	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
<a href="#">GERMANY</a>	"2K" Haushaltschemie GmbH	Lindenstr. 48-52, 40233 Düsseldorf, Germany	+491787178800
<a href="#">GREESE</a>	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
<a href="#">HUNGARY</a>	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)
<a href="#">ICELAND</a>	Poison control center	Fossvogi 108 Reykjavik	+354 543 2222 +354 543 1000 <b>112</b>
<a href="#">IRELAND (REPUBLIC OF IRELAND)</a>	The National Poisons Information Centre (NPIC)	Beaumont Hospital Beaumont Road 9 Dublin	01 809 2566
<a href="#">ITALY</a>	Centro Antiveleni (Poisons Centre) Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 I-00168 Roma	+39 06 305 4343

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<a href="#">LATVIA</a>	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
<a href="#">LITHUANIA</a>	Poisons Control and Information Bureau	Siltnamiu 29 2043 Vilnius	+370 2 36 20 52 +370 2 36 20 92
<a href="#">THE NETHERLANDS</a>	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
<a href="#">NORWAY</a>	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
<a href="#">PORTUGAL</a>	Centro de Informação Antivenenos – Dra Ariinda 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
<a href="#">SLOVAKIA</a>	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
<a href="#">SPAIN</a>	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)
<a href="#">SWEDEN</a>	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)
<a href="#">UKRAINE</a>	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
<a href="#">UKRAINE</a>	LLC "UKRAINIAN-GERMAN COMPANY " 2K "	Passage by Yuri Kozlovsky, 7/1, 29016, Khmelnytskyi, Ukraine	+380676541082 <a href="mailto:info@2k.company">info@2k.company</a>

## 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)
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 <b>Danger</b>	<b>Eye Dam. 1, H318</b>  <b>EUH208</b>	<b>Causes serious eye damage.</b>  <b>Contains Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. May produce an allergic reaction.</b>
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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  <b>Danger</b>
Hazard statements:	<b>H318</b> Causes serious eye damage.  <b>EUH208</b> Contains Benzyl Salicylate, Citral, Citronellol, Limonene, Geraniol, Hexyl Cinnamal, Linalool. May produce an allergic reaction.
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	<b>P102</b> Keep out reach of children.  <b>P280</b> Wear protective gloves/protective clothing/eye protection/ face protection/hearing protection.
Precautionary Statement Response	<b>P305+P351+P338</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  <b>P310</b> Immediately call a POISON CENTER/doctor.
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
Propane-1,2-diol* (Propylene Glycol)	200-338-0/ Not applicable/ 01-2119456809-23-0273	57-55-6	30 - 50	Not classified	-
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	-
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	-
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	-
Citronello**	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	-
Limonene**	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
Geraniol**	203-377-1/ 603-241-00-5/ 01-2119552430-49-0000	106-24-1	0 – 0.1	Skin Sens. 1, H317	-

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Hexyl Cinnamal**	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
Linalool**	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); (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	-
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

<b>SKIN PROBLEM:</b>	Wash with plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>EYE CONTACT:</b>	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.
<b>INGESTION:</b>	Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. Seek medical advice if necessary.
<b>INHALATION:</b>	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:

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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 (CO<sub>2</sub>), 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. 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.



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**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.
Propane-1,2-diol (Propylene Glycol)***	57-55-6	7 mg/m <sup>3</sup>	-
2-aminoethanol; (Ethanolamine)***	141-43-5	0.5 mg/m <sup>3</sup>	7.6 mg/m <sup>3</sup>

\*\*\*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
Propylene Glycol CAS No.: 57-55-6	Workers	Inhalation	Long-term systemic effects	168 mg/m <sup>3</sup>	502 mg/m <sup>3</sup> (NOAEC, rat)

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 <sup>3</sup>	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 <sup>3</sup>	85 mg/kg bw/day (rat)
	Consumers	Dermal	Long-term systemic	42.5 mg/kg bw/day	



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			effects		
	Consumers	Eyes	Long-term systemic effects	medium hazard (no threshold derived)	
	Consumers	Oral	Long-term systemic effects	0.425 mg/kg bw/day	
<b>2-aminoethanol; (Ethanolamine)</b> CAS No.: 141-43-5	Workers	Inhalation	Long-term systemic effects	1 mg/m <sup>3</sup>	75.4 mg/m <sup>3</sup> (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 <sup>3</sup>	10 mg/m <sup>3</sup> (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)
<b>Etidronic Acid</b> 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 <sup>3</sup>	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
<b>Subtilisin</b> 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	1.8 mg/kg bw/day	360 mg/kg bw/day

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			effects		(NOAEL, rat)
amylase, $\alpha$ -; (Amylase) CAS No.: 9000-90-2	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	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.

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### 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)
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 <sub>ow</sub> = 2 (Dodecylbenzene Sulfonic Acid); log K <sub>ow</sub> = -1.07 (Propane-1,2-diol); log K <sub>ow</sub> = - 2.3 (2-aminoethanol); log K <sub>ow</sub> = - 3.50 (Etidronic Acid); log K <sub>ow</sub> = - 3.1 (Subtilisin); log K <sub>ow</sub> = - 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

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### 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:** Not classified as toxic.

#### Hazardous Ingredients:

Ingredients Name:	CAS No.	Composition Range	LD50/LC50 (oral)	LD50/LC50 (dermal)
Propylene Glycol	57-55-6	30 — 50 %	LD50=22000 mg/kg (Rat)	LD50>2000 mg/kg (Rabbit)
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)
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

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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:

<b>AQUATIC TOXICITY:</b>	
<b>57-55-6 Propylene Glycol</b>	
EC <sub>50</sub> / 48 h	18340 mg/l ( <i>Ceriodaphnia dubia</i> )
EC <sub>50</sub> / 96 h	19000 mg/l ( <i>Pseudokirchnerella subcapitata</i> )
LC <sub>50</sub> / 96 h	40613 mg/l ( <i>Oncorhynchus mykiss</i> )
<b>68551-12-2 Alcohols, C12-16, ethoxylated, 2-15 EO</b>	
EC <sub>50</sub> / 48 h	No data available
EC <sub>50</sub> / 72 h	1 - 10 mg/l – Algae ( <i>Scenedesmus subspicatus</i> )
LC <sub>50</sub> / 96 h	No data available
<b>85536-14-7 Dodecylbenzene Sulfonic Acid</b>	
EC <sub>50</sub> / 48 h	5.2 mg/l - ( <i>Daphnia magna</i> ) (OECD 202)
EC <sub>50</sub> / 72 h	36 mg/l – Algae (OECD 201)
LC <sub>50</sub> / 96 h	5.6 mg/l – Fish (OECD 203)
<b>141-43-5 2-aminoethanol</b>	
EC <sub>50</sub> / 48 h	27 mg/l
EC <sub>50</sub> / 72 h	2.8 mg/l - Algae
LC <sub>50</sub> / 96 h	>100 mg/l – Fish (With high probability acutely not harmful to fish)
<b>2809-21-4 Etidronic Acid</b>	
EC <sub>50</sub> / 48 h	527 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
EC <sub>50</sub> / 96 h	3 mg/l – Algae (OECD 201)
LC <sub>50</sub> / 96 h	195 mg/l – Fish (OECD 203)
<b>9014-01-1 Subtilisin</b>	
EC <sub>50</sub> / 48 h	586 µg aep/l (OECD TG 202)
EC <sub>50</sub> / 72 h	290 µg aep/L
LC <sub>50</sub> / 96 h	8.2 mg aep/l (OECD TG 203)
<b>9000-90-2 Amylase</b>	

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EC <sub>50</sub> / 48 h	31.7 - 457 mg aep/l (OECD TG 202)
EC <sub>50</sub> / 72 h	24 mg/l – Algae
LC <sub>50</sub> / 96 h	58.3 - 326.7 mg aep/l (OECD TG 203)
<b>141464-42-8 Coco-Glucoside</b>	
No data available.	

### 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)
Propane-1,2-diol	96 %	28 (301 F)
Alcohols, C12-16, ethoxylated, 2-15 EO	85 %	28 (301 F)
Dodecylbenzene Sulfonic Acid	94 %	28 (301 B)
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
Propane-1,2-diol	<b>0.09</b>	Calculated
Alcohols, C12-16, ethoxylated, 2-15 EO	-	No data available
Dodecylbenzene Sulfonic Acid	<b>87</b>	A very low potential for bioaccumulation is expected and is decreased by environmental processes such as biodegradation and absorption, which reduce aquatic concentrations.
2-aminoethanol	<b>2.5</b>	-
Etidronic Acid	<b>&lt;2</b>	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

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		on log Kow ≤3 and a low potential to cross biological membranes.
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 <sub>oc</sub>	Note
Propane-1,2-diol	-1.07	Expected to be mobile
Alcohols, C12-16, ethoxylated, 2-15 EO	-	No data available
Dodecylbenzene Sulfonic Acid	3.6	Expected to be 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:

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.



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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	<b>Plastic packaging</b> (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
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

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT

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REGULATIONS/LEGISLATION SPECIFIC FOR THE  
SUBSTANCE OR MIXTURE:

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:

<b>Flam. Liq. 3</b>	Flammable liquids – Category 3
<b>Met. Corr. 1</b>	Corrosive to metals – Category 1
<b>Acute Tox. 4</b>	Acute toxicity – Category 4
<b>Skin Corr. 1B</b>	Skin corrosion – Category 1B
<b>Skin Corr. 1C</b>	Skin corrosion – Category 1C
<b>Skin Irrit. 2</b>	Skin irritation – Category 2
<b>Eye Dam. 1</b>	Eye Damage – Category 1
<b>Eye Irrit. 2</b>	Eye irritation – Category 2

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<b>Skin Sens. 1</b>	Skin Sensitisation– Category 1
<b>Skin Sens. 1B</b>	Skin Sensitisation– Category 1B
<b>Resp. Sens. 1</b>	Sensitisation – Respiratory – Category 1
<b>Aquatuc Acute 1</b>	Acute aquatic toxicity - Category1
<b>Aquatic Chronic 1</b>	Chronic aquatic toxicity - Category1
<b>Aquatic Chronic 2</b>	Chronic aquatic toxicity - Category 2
<b>Aquatic Chronic 3</b>	Chronic aquatic toxicity - Category 3
<b>H226</b>	Flammable liquid and vapour
<b>H290</b>	May be corrosive to metals
<b>H302</b>	Harmful if swallowed
<b>H312</b>	Harmful in contact with skin
<b>H314</b>	Causes severe skin burns and eye damage
<b>H315</b>	Causes skin irritation
<b>H317</b>	May cause an allergic skin reaction
<b>H318</b>	Causes serious eye damage
<b>H319</b>	Causes serious eye irritation
<b>H332</b>	Harmful if inhaled
<b>H334</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled
<b>H335</b>	May cause respiratory irritation
<b>H400</b>	Very toxic to aquatic life
<b>H410</b>	Very toxic to aquatic life with long lasting effects
<b>H411</b>	Toxic to aquatic life with long lasting effects
<b>H412</b>	Harmful to aquatic life with long lasting effects
<b>EUH208</b>	Contains (name of sensitising substance). May produce an allergic reaction.

#### ABBREVIATIONS AND ACRONYMS:

<b>PBT:</b>	Persistent, bioaccumulative, toxic
<b>vPvB:</b>	Very persistent, very bioaccumulative
<b>EC:</b>	European Inventory of Existing Commercial Chemical Substances
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>Index No.:</b>	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)
<b>AOX:</b>	Adsorbable Organohalogenes
<b>ADR:</b>	European Agreement concerning the International Carriage of Dangerous Goods
<b>IATA:</b>	International Air Transport Association
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>GHS:</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>LC<sub>50</sub>:</b>	Median (50 %) lethal concentration
<b>LD<sub>50</sub>:</b>	Median (50%) lethal dose

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<b>EC<sub>50</sub>:</b>	Effective concentration, 50 percent
<b>CLP:</b>	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and Mixtures
<b>ECHA:</b>	European Chemicals Agency, Helsinki ( <a href="http://echa.europa.eu/home_en.asp">http://echa.europa.eu/home_en.asp</a> )
<b>TWA:</b>	Time Weighted Average
<b>STEL:</b>	Short Term Exposure Limit
<b>DNEL:</b>	Derived no-effect level is the level of exposure to a substance above which humans should not be exposed
<b>NOAEL:</b>	No-Observed-Adverse-Effect Level
<b>NOAEC:</b>	No-Observed-Adverse-Effect Concentration
<b>VOC:</b>	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.