

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

DRAKENBERG

POLYCHROM 2020 CONCENTRATED AGENT FOR CONTACTLESS WASHING

«ACTIVE FOAM 55»

Dated: 2023-11-30

Version Nr: 1.0

Supersedes the version: -

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

1.1 Product identifier:

MIXTURE IDENTIFICATION:	CONCENTRATED FOAM FOR CONTACTLESS CAR WASH
TRADE NAME:	Concentrated agent for contactless washing «ACTIVE FOAM 55»
TRADE MARK:	Polychrom 2020
MIXTURE PACKAGING:	1,1 kg (bottle); 5 kg; 11 kg; 22 kg (jerry cans); 1000 kg (IBC (Intermediate Bulk Container))
MIXTURE CONTAINS:	5-15%: anionic surfactant, amphoteric surfactant, non-ionic surfactant; 5-10% complexones, sodium hydroxide; Other ingredients: coloring.
UFI Code:	3AWU-YJ7V-600E-S2J3
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
REACH REGISTRATION No.:	Not applicable. Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

RECOMMENDED USE: Professional use. Concentrated active foaming agent for contactless car wash. For removing various types of dirt.

USES ADVISED AGAINST: Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

MANUFACTURER:	Limited liability company "Joint German-Ukrainian Enterprise "DrakenBerg", Code: 42281913
ADDRESS OF THE MANUFACTURER:	Ukraine, 29016, Khmelnytskyi region, Khmelnytskyi, Yurii Kozlovsky Street, 7/1. web: drakenberg.com.ua
TELEPHONE NUMBER OF THE MANUFACTURER:	+380671111421
E-MAIL OF THE MANUFACTURER:	export.drakenberg@gmail.com
COMPETENT PERSON RESPONSIBLE FOR THE MATERIAL SAFETY DATA SHEET:	+380971445330 technologist Kravets Ihor Petrovych
RESPONSIBLE PERSON IN EU	2K Haushaltschemie GmbH, Lindenstr. 48-52, 40233 Düsseldorf, mailto:d.kushal85@gmail.com , Phone: 491787178800

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1.4 Emergency telephone number

Country	Official advisory body	Address	Emergency number
AUSTRIA	Austrian National Public Health Institute (GÖG) Vergiftungsinformationszentrale (VIZ)	Stubenring 6, 1010 Vienna, Austria T: +43 1 515 61-161 M: +43 676 848 191-661	Notruf 0–24 Uhr: 01 406 43 43 Euro-Notruf: 112 Rettung: 144 Ärztefunkdienst: 141
BELGIUM	BELGIAN POISON CENTER (BELGISCH ANTIGIFCENTRUM)	Poison Control Center c/o Military Hospital Queen Astrid Bruynstraat 1, 1120 Brussels	070 245 245 (free, 24/7) If unreachable, tel. 02 264 96 30 (normal rate) 8002 5500, from Grand Duchy of Luxembourg every day, free 24 /7
BULGARIA	National Toxicology Center, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov"	Ministry of Health, 5, „Sveta Nedelya“ sq., Sofia 1000	Emergency number/ fax: +359 2 9154 233 The service is available 24/7 and the communication language is Bulgarian +359 2 9154 409,
CROATIA	Poison Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342 Information available 24/7 in Croatian and English.
CZECH REPUBLIC	Poisons Information Centre Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojisti 1 128 00 Prague 2	224 91 92 93 224 91 54 02 +42 2 2491 9293 +42 2 2491 5402
DENMARK	Poisons Information Centre Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV	+45 82 12 12 12 +45 35 31 55 55 Danish Poison Center (Giftlinjen): +45 8212 1212
ESTONIA	Estonian Emergency Response Centre	Osmussaare 2, 13811 Tallinn General info: 6287 400	National emergency telephone number (Häirekeskuse number) is 112 Mürgistusteabekeskuse infoliin 16662 (välisriigist helistades (+372)7943794)
FINLAND	Poisons Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	Medical Helpline 116117 Open 24 hours a day 0800 147 111 (the call is free of charge) 09 471 977 +358 9 471 977
FRANCE	Poison Control Center (Centre Antipoison ORFILA)	Hôpital Fernand Widal 200 rue du faubourg St-Denis 75475 Paris Cedex 10	numéro ORFILA (INRS): + 33 (0)1 45 42 59 59 (for free 24/7) +33 (0)1 45 42 59 59
GERMANY	"2K" Haushaltschemie GmbH	Lindenstr. 48-52, 40233 Düsseldorf, Germany	+491787178800
GREESE	Poison Information Centre Children's Hospital P&A Kyriakou	Athens 11762 Greece	Emergency number: (0030) 2107793777 24 hours/day Fax: 00302107486114 +30 10 779 3777
HUNGARY	Health Toxicology Information Service	1097 Budapest, Albert Flórián út 2-6.	+36 80 201 199 (0-24 hours, free of charge - only from Hungary) +36 1 476 6464 (0-24 hours, can be called for a standard fee - also from abroad)
ICELAND	Poison control center	Fossvogi 108 Reykjavik	+354 543 2222 +354 543 1000 112
IRELAND (REPUBLIC OF IRELAND)	The National Poisons Information Centre (NPIC)	Beaumont Hospital Beaumont Road 9 Dublin	01 809 2566
ITALY	Centro Antiveneni (Poisons Centre) Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 I-00168 Roma	+39 06 305 4343
LATVIA	Toxicology and Sepsis Clinic, information on poisoning and medicinal products; State fire and rescue service:	2 Hipokrāta Street, Riga, LV-1038	+371 67042473 (+371) 112; (+371) 113

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LITHUANIA	Poisons Control and Information Bureau	Siltnamiu 29 2043 Vilnius	+370 2 36 20 52 +370 2 36 20 92
THE NETHERLANDS	UMC Utrecht Heidelberglaan 100 3584 CX Utrecht	Heidelberglaan 100 3584 CX UTRECHT Reception 1 (level 0), UMC Utrecht site	NVIC: +31 (0)88 755 8000: Only for the purpose of informing medical personnel in case of acute intoxications' or in Dutch: 'Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen
NORWAY	Poisons Information Directorate of Health and Social Affairs	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300
POLAND	Warsaw Poison Control and Information Centre	Al.Solidarnosci 67 P-03 401 Warszawa	+48 22 619 66 54 +48 22 619 08 97
PORTUGAL	Centro de Informação Antivenenos – Dra Arlinda Borges Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	Portugal CIAV phone number: +351 800 250 250 808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu"	Boulevardul Iancu de Hunedoara 30-32 Bucharest	Phone number: +40213183606 +40 2121 06282 +40 2121 06183
SLOVAKIA	National Toxicological Information Centre University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SLOVENIA	Poison Centre Division of Internal Medicine	University Clinical Centre Zaloska 7 1525 Ljubljana	Phone number: 112 + 386 41 650 500
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	National Emergency Telephone Number of Spanish Poison Centre: + 34 91 562 04 20 The information will be provided in Spanish (available 24h/365 days): health personnel & general public (poisoning cases)
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	"112 – ask for Poisons Information" (in Swedish this will be: "112 – begär Giftinformation") +46 8 33 12 31 (International)
UKRAINE	Institute of Hygiene and 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
UKRAINE	Limited liability company "Joint German-Ukrainian Enterprise "DrakenBerg"	Ukraine, 29016, Khmelnytskyi region, Khmelnytskyi, Yurii Kozlovsky Street, 7/1.	+380971445330 technologist Kravets Ihor Petrovych

Section 2: Hazards identification

2.1 Classification of the substance or mixture

CLP Regulation (EC) No 1272/2008: Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Skin Corr. 1A: Skin corrosion, Category 1A, H314

Eye damage 1

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

The product is classified and labelled according to the CLP regulation

Hazard pictograms:



GHS05

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Signal word:	EN DANGER BG ОПАСНО CS NEBEZPEČÍ FI VAARA PL NIEBEZPIECZEŃSTWO RO PERICOL SK NEBEZPEČENSTVO SV FARA
Hazard statements	H314 EN Causes severe skin burns and eye damage BG Причинява тежки изгаряния на кожата и сериозно увреждане на очите. CS Způsobuje těžké poleptání kůže a poškození očí. FI Voimakkaasti ihoa syövyttävää ja silmiä vaurioittavaa. 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. SV Orsakar allvarliga frätskador på hud och ögon.
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.
Precautionary Statement	P101 EN If medical advice is needed, have product container or label at hand. BG При необходимост от медицинска помощ, носете опаковката или етикета на продукта. CS Je-li nutná lékařská pomoc, mějte po ruce obal nebo štítek výrobku. FI Jos tarvitaan lääkinnällistä apua, näytä pakkaus tai varoitusetiketti. PL W razie konieczności zasięgnięcia porady lekarza należy pokazać pojemnik lub etykietę. RO Dacă este necesară consultarea medicului, țineți la îndemână recipientul sau eticheta produsului. SK Ak je potrebná lekárska pomoc, majte k dispozícii obal alebo etiketu výrobku. SV Ha förpackningen eller etiketten till hands om du måste söka läkarvård. P103 EN Read carefully and follow all instructions. BG Прочетете внимателно и спазвайте всички инструкции. CS Přečtěte si pozorně a dodržujte všechny pokyny. FI Lue huolellisesti ja noudata kaikkia ohjeita. PL Przeczytaj uważnie i postępuj zgodnie ze wszystkimi instrukcjami. RO Citiți cu atenție și urmați toate instrucțiunile.

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SK Pozorne si prečítajte a dodržiavajte všetky pokyny.

SV Läs noga och följ alla instruktioner.

P260

EN Do not breathe dust/fume/gas/mist/vapours/spray.

BG Не вдишвайте прах/пушек/газ/дим/изпарения/аерозоли

CS Nevdechujte prach/dým/plyn/mlhu/páry/aerosoly.

FI Älä hengitä pölyä/savua/kaasua/sumua/höyryä/suihketta.

PL Nie wdychać pyłu/dymu/gazu/mgły/par/rozpylonej cieczy.

RO Nu inspirați praful/fumul/gazul/ceața/vaporii/spray-ul.

SK Nevdychujte prach/dym/plyn/hmlu/pary/aerosóly.

SV Inandas inte damm/rök/gaser/dimma/ångor/sprej.

P262

EN Do not get in eyes, on skin, or on clothing.

BG Да се избягва контакт с очите, кожата или облеклото.

CS Zabraňte styku s očima, kůží nebo oděvem.

FI Varo kemikaalin joutumista silmiin, iholle tai vaatteisiin.

PL Nie wprowadzać do oczu, na skórę lub na odzież.

RO Evitați orice contact cu ochii, pielea sau îmbrăcămintea.

SK Zabráňte kontaktu s očami, pokožkou alebo odevom.

SV Får inte komma i kontakt med ögonen, huden eller kläderna.

P264

EN Wash your hands thoroughly with soap and water after handling the product.

BG Да се измие ръцете старателно с топла вода и сапун след употреба.

CS Po manipulaci důkladně omyjte ruce teplou vodou a mýdlem.

FI Pese kädet huolellisesti käsittelyn jälkeen vedellä ja saippualla.

PL Dokładnie umyć ręce po użyciu z mydłem i wodą.

RO Spălați-vă mâinile bine după utilizare cu apă și săpun.

SK Po manipulácii starostlivo umyte ruky s mydlom a vodou.

SV Tvätta händer grundligt noggrant med tvål och vatten av produkten efter användning .

P280

EN Wear protective gloves.

BG Използвайте предпазни ръкавици.

CS Používejte ochranné rukavice.

FI Käytä suojakäsineitä.

PL Stosować rękawice ochronne.

RO Purtați mănuși de protecție.

SK Noste ochranné rukavice.

SV Använd skyddshandskar.

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P301 + P330 + P331

- EN IF SWALLOWED: rinse mouth. Do NOT induce vomiting.**
- BG ПРИ ПОГЛЪЩАНЕ: изплакнете устата. НЕ предизвиквайте повръщане.
- CS PŘI POŽITÍ: Vypláchněte ústa. NEVYVOLÁVEJTE zvracení.
- FI JOS KEMIKAALIA ON NIELTY: Huuhdo suu. Ei saa oksennuttaa.
- PL W PRZYPADKU POŁKNIĘCIA: wypłukać usta. NIE wywoływać wymiotów.
- RO ÎN CAZ DE ÎNGHIȚIRE: clătiți gura. NU provocați vomă.
- SK PO POŽITÍ: vypláchnite ústa. Nevyvolávajte zvracanie.
- SV VID FÖRTÄRING: Skölj munnen. Framkalla INTE kräkning.

P303 + P361 + P353

- EN IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**
- BG ПРИ КОНТАКТ С КОЖАТА (или косата): Незабавно свалете цялото замърсено облекло. Облейте кожата с вода/вземете душ.
- CS PŘI STYKU S KŮŽÍ (nebo s vlasy): Veškeré kontaminované části oděvu okamžitě svlékněte. Opláchněte kůži vodou/osprchujte.
- FI JOS KEMIKAALIA JOUTUU IHOLLE (tai hiuksiin): Riisu saastunut vaatetus välittömästi. Huuhdo/suihkuta iho vedellä.
- PL W PRZYPADKU KONTAKTU ZE SKÓRĄ (lub z włosami): Natychmiast zdjąć całą zanieczyszczoną odzież. Spłukać skórę pod strumieniem wody/prysznicem.
- RO ÎN CAZ DE CONTACT CU PIELEA (sau părul): scoateți imediat toată îmbrăcămintea contaminată. Clătiți pielea cu apă/faceți duș.
- SK PRI KONTAKTE S POKOŽKOU (alebo vlasmi): Všetky kontaminované časti odevu okamžite vyzlečte. Pokožku opláchnite vodou/sprchou.
- SV VID HUDKONTAKT (även håret): Ta omedelbart av alla nedstänkta kläder. Skölj huden med vatten/duscha.

P304 + P340

- EN IF INHALED: Remove person to fresh air and keep comfortable for breathing.**
- BG ПРИ ВДИШВАНЕ: Изведете лицето на чист въздух и го поставете в позиция, улесняваща дишането.
- CS PŘI VDECHNUTÍ: Přeneste osobu na čerstvý vzduch a ponechte ji v poloze usnadňující dýchání.
- FI JOS KEMIKAALIA ON HENGITETTY: Siirrä henkilö raittiiseen ilmaan ja varmista vaivaton hengitys.
- PL W PRZYPADKU DOSTANIA SIĘ DO DRÓG ODDECHOWYCH: wyprowadzić lub wynieść poszkodowanego na świeże powietrze i zapewnić mu warunki do swobodnego oddychania.
- RO ÎN CAZ DE INHALARE: transportați persoana la aer liber și mențineți-o într-o poziție confortabilă pentru respirație.
- SK PO VDÝCHNUTÍ: Presuňte osobu na čerstvý vzduch a umožnite jej pohodlne dýchať.

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SV VID INANDNING: Flytta personen till frisk luft och se till att andningen underlättas.

P305 + P351 + P338

EN **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

BG ПРИ КОНТАКТ С ОЧИТЕ: Промивайте внимателно с вода в продължение на няколко минути. Свалете контактните лещи, ако има такива и доколкото това е възможно. Продължавайте да промивате.

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

FI JOS KEMIKAALIA JOUTUU SILMIIN: Huuhto huolellisesti vedellä usean minuutin ajan. Poista piilolinssit, jos sen voi tehdä helposti. Jatka huuhtomista.

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.

SV VID KONTAKT MED ÖGONEN: Skölj försiktigt med vatten i flera minuter. Ta ur eventuella kontaktlinser om det går lätt. Fortsätt att skölja.

P310

EN **Immediately call a POISON CENTER/doctor.**

BG Незабавно се обадете в ЦЕНТЪР ПО ТОКСИКОЛОГИЯ/на лекар.

CS Okamžitě volejte TOXIKOLOGICKÉ INFORMAČNÍ STŘEDISKO/lékaře.

FI Ota välittömästi yhteyks MYRKYTYSTIETOKESKUKSEEN/lääkäriin.

PL Natychmiast skontaktować się z OŚRODKIEM ZATRUĆ/lekarzem.

RO Sunați imediat la un CENTRU DE INFORMARE TOXICOLOGICĂ/un medic.

SK Okamžite volajte TOXIKOLOGICKÉ INFORMAČNÉ CENTRUM/lekára.

SV Kontakta genast GIFTINFORMATIONSCENTRALEN/läkare.

P321

EN **Specific treatment (see first medical aid on this label).**

BG Специализирано лечение (вж първа медицинска помощ на този етикет).

CS Odborné ošetření (viz první pomoc na tomto štítku).

FI Eriyishoittoa tarvitaan (katso ensiapuohjeet pakkauksen merkinnöissä).

PL Zastosować określone leczenie (patrz instrukcje pierwszej pomocy na etykiecie).

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- RO Tratament specific (a se vedea instrucțiunile de prim ajutor de pe această etichetă).
- SK Odborné ošetrenie (pozri pokyny prvej pomoci na etikete).
- SV Särskild behandling (se instruktioner för första hjälpen på etiketten).

P363

EN Wash contaminated clothing before reuse.

- BG Изперете замърсеното облекло преди повторна употреба.
- CS Kontaminovaný oděv před opětovným použitím vyperte.
- FI Pese saastunut vaatetus ennen uudelleenkäyttöä.
- PL Wyprać zanieczyszczoną odzież przed ponownym użyciem.
- RO Spălați îmbrăcămintea contaminată, înainte de reutilizare.
- SK Kontaminovaný odev pred ďalším použitím vyperte.
- SV Nedstänkta kläder ska tvättas innan de används igen

P405

EN Store locked up.

- BG Да се съхранява под ключ.
- CS Skladujte uzamčené.
- FI Varastoi lukitussa tilassa.
- PL Przechowywać pod zamknięciem.
- RO A se depozita sub cheie.
- SK Uchovávať uzamknuté.
- SV Förvaras inlåst.

P501

EN Dispose of contents/container in accordance with local, regional, national and international regulations.

- BG Съдържанието/съдът да се изхвърли в съответствие с местните, регионалните, националните и международни разпоредби.
- CS Odstraňte obsah/obal podle místních/regionálních/státních/mezinárodních předpisů.
- FI Hävitä sisältö/pakkaus paikallisten, alueellisten, kansallisten ja kansainvälisten määräysten mukaisesti.
- 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.
- SV Innehållet/behållaren lämnas till en godkänd återvinningsstation eller behandlingsanläggning enligt lokala, regionala, nationella och internationella bestämmelser.

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Additional non-GHS hazard statement	EUH210
	EN Safety data sheet available on request.
	BG Информационен лист за безопасност ще бъде представен при поискване.
	CS Na vyžádání je k ^o dispozici bezpečnostní list.
	FI Käyttöturvallisuustiedote toimitetaan pyynnöstä.
	PL Karta charakterystyki dostępna na żądanie.
	RO Fișă cu date de securitate disponibilă la cerere.
	SK Na požiadanie možno poskytnúť kartu bezpečnostných údajov.
	SV Säkerhetsdatablad finns att rekvirera.
	EUH401
	EN To avoid risks to human health and the environment, comply with the instructions for use.
	BG За да се избегнат рискове за човешкото здраве и околната среда, спазвайте инструкциите за употреба.
	CS Dodržujte pokyny pro používání, abyste se vyvarovali rizik pro lidské zdraví a životní prostředí.
	FI Noudata käyttöohjeita ihmisen terveydelle ja ympäristölle aiheutuvien vaarojen välttämiseksi.

2.3 Other hazards

Compliance with PBT and vPvB criteria - does not meet PBT and vPvB criteria.

Does not contain destroyers of the endocrine system, in the amount of $\geq 0,1$ %

Does not contain substances in nanoforms in accordance with the Regulation (EC) No 2020/878.

Section 3: Composition/information on ingredients

3.1. SUBSTANCES: Not applicable

3.2. MIXTURES: Product based on below mentioned hazardous ingredients:

Chemical name (IUPAC)	EC #	CAS #	Concentration, %	Classification (CLP/GHS)	Reach reg #
Sodium lauryl sulfate	221-416-0	68891-38-3	12-15	Acute toxicity 4, H302 Skin irritation 2, H315 Eye irritation 1, H319 Hazardous to the aquatic environment. 1 H410 Hazardous to the aquatic environment 3 H412	---
Sodium hydroxide (caustic soda)	215-185-5	1310-73-2	9-10	Skin corrosion 1A, H314 Corrosive to metals, H290	01-2119457892-27-xxxx

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Cocamidopropyl betaine	263-058-8	61789-40-0	9-10	Eye irritation 2, H319 Acute toxicity 4, H302	---
1-hydroxyethylidene-1,1 diphosphonic acid	220-552-8	2809-21-4	7-8	Eye irritation 2, H319 Corrosive to metals, H290	---
Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate	603-569-9	13235-36-4	5-6	Acute toxicity 4, H302 Eye irritation 2, H319 Skin irritation 2, H315	---
Sodium 2-ethyl hexyl sulfate	204-812-8	126-92-1	4-5	Skin irritation 2, H315 Serious eye damage 1, H318	---
Water and other ingredients, determined not to be hazardous	Balance				

For a full decoding of H-phrases, see Section 16.

Section 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: provide the victim with access to fresh air and rest. In all cases of doubt, if symptoms persist, consult a doctor.

In case of skin contact: immediately rinse the skin with plenty of water, apply a protective bandage, consult a dermatologist.

In case of contact with eyes: immediately rinse eyes thoroughly with plenty of water; remove contact lenses if present, then continue rinsing for 10-15 minutes. Consult an ophthalmologist.

If swallowed: rinse mouth immediately, drink 200-300 ml of water with activated charcoal. DO NOT INDUCE VOMITING. Consult a doctor and show him/her the label of this container. There is a danger of strong a corrosive effect on the stomach and esophagus.

4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation: may cause irritation of the respiratory tract, dry cough, sore throat, difficulty breathing, headache, dizziness.

In case of skin contact: skin redness, irritation, inflammation, chemical burns.

In case of eye contact: pain, blurred vision, risk of serious eye damage, irritation, redness of the eyes, lacrimation, blurred vision.

If swallowed: burning in the mouth, nausea, pain in the esophagus and abdomen, weakness.

4.3 Indication of any immediate medical attention and special treatment needed

There is no additional information about special first aid measures.

Section 5: Firefighting measures

5.1 Extinguishing media

Flammable properties: The product does not burn, but the polymer packaging can be involved in a fire.

Use appropriate extinguishing agents: Apply fire extinguishing measures according to the environmental conditions. Spray water, CO2 foam, dry chemical powder, sand.

Unsuitable extinguishing media: Do not use a direct water jet on burning materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: carbon oxides, sodium oxide, sulfur oxides.

Special protective equipment for firefighters: Use the full set of protective clothing and breathing apparatus required for the specific fire area. Use eye protection.

5.3 Advice for firefighters

Use standard firefighting equipment such as self-contained breathing apparatus and full protective equipment. Use filters for organic vapors. Spilled product creates a slippery surface.

Do not allow fire extinguishing water to enter sewers or water sources. Dispose of contaminated water after extinguishing the fire in accordance with national regulations. Extinguish the fire from a sufficient distance using standard precautions.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

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Wear personal protective equipment for eyes and skin. Avoid contact with eyes and skin. Do not inhale vapors and aerosols. Cover with non-combustible material - absorbent, collect, place in a container, hand over for disposal. Rinse the spill area with plenty of water. Collect used water for disposal. Ensure proper ventilation.

In case of insufficient ventilation, use suitable breathing equipment. Stop or limit the leakage at the source, if safe to do so. Evacuate personnel to a safe area. Restrict access to the spill area until cleanup is complete. Repair the leak if it can be done without risk. Spilled product creates a slippery surface. Eliminate all sources of ignition.

6.1.2 For emergency responders

Use personal protective equipment. Stop or limit the leakage at the source if it is safe to do so. Evacuate personnel to a safe area. Restrict access to the spill area until cleanup is complete. Repair the leak if it can be done safely. Eliminate all sources of ignition. Ensure that cleanup is carried out by qualified personnel only.

Small spills: cover with an absorbent (vermiculite, sand, earth), collect in a container for further disposal.

Large spills: Fence off spills with an earthen berm. Cover with non-combustible absorbent material, pump out the liquid, collect, place in a container, and hand over for disposal. Dispose of the product according to the rules specified in Section 13.

6.2 Environmental precautions

Do not allow the product to enter sewers, rivers, waterways, and other bodies of water or soil. Stop further leakage or spillage if safe to do so. Save the flushing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Covering of sewage. Absorbent non-combustible material, water. Place in containers for disposal. Ventilate the affected area.

6.4 References to other sections

See Section 8 for information on personal safety precautions.

See Section 13 for information on waste disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Use only for the intended purpose.

All work with the product should be carried out using individual skin and eye protection (protective clothing, rubberized apron, rubber gloves, rubber boots, goggles (PO-2, PO-3). Avoid inhalation. Work with the product should be carried out in accordance with the Labor Protection Rules. Avoid splashing and contact with the face and eyes.

Work related to the use of the product shall be carried out in rooms equipped with supply and exhaust ventilation. If it is impossible to ensure sufficient ventilation of the room, use RPG-67 or RU 60-M respirators with B cartridges. Change clothes after work, wash hands thoroughly.

Fire prevention: Keep away from heat sources and open flames, out of sunlight.

7.2 Conditions for safe storage, including any incompatibilities

Store at temperatures from +5°C to +30°C and relative humidity up to 80% at a distance of at least 1 m from heating (cooling) devices. May cause corrosion of metals. Store only in a corrosion-protected container of the manufacturer, separately from food and drinking water, animal feed. Keep the container tightly closed. The guaranteed shelf life is 12 months from the date of manufacture under the conditions of storage.

Incompatibility with substances: corrosive metals (aluminum, zinc, nickel, copper, copper alloys), acids, oxidizing agents, organic chemicals.

Hazardous decomposition products: sodium oxide, carbon oxides, sulfur oxides, nitrogen oxides during thermal decomposition.

7.3 Specific end use(s)

Materials recommended for packaging: polyethylene, glass, rubberized steel (corrosion-resistant) containers, stainless steel.

Section 8: Exposure controls/personal protection

8.1 Control parameters

In the air of the working area:

In accordance with MOH of Ukraine Order No. 1596 of 14.07.2020 «About approval of hygienic regulations for the permissible content of chemical and biological substances in the air of the work area»:

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MPC sodium hydroxide (CAS No. 1310-73-2) = 0.5 mg/m³ (aerosol), hazard class 2
MPC for 1-hydroxyethylidene-1,1-diphosphonic acid (CAS No. 2809-21-4) = 2 mg/m³ (a), hazard class 3
Minimum safe exposure levels:
DNEL sodium hydroxide (CAS No. 1310-73-2) = 1.0 mg/m³ (local)
DNEL sodium 2-ethyl hexyl sulfate (CAS No. 126-92-1) = 285 mg/m³ (systemic)
DNEL 1-hydroxyethylidene-1,1-diphosphonic acid (CAS No. 2809-21-4) = 12 mg/m³ (systemic)
DNEL sodium lauryl sulfate (CAS No. 68891-38-3) = 175 mg/m³ (systemic)
DNEL - cocamidopropyl betaine (CAS No. 61789-40-0) = 8.22 mg/m³ (systemic)

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ventilation of workspaces, local exhaust systems.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory protection: respiratory protection equipment in accordance with European standards EN 133, EN 136, EN 140, EN 143.

In case of short-term contact with the substance or exposure to low concentrations, use a filtering respiratory protection device. In case of intensive or longer exposure, use a self-contained respiratory protection device.

Protection is not required if the room is adequately ventilated

Eye protection: sealed goggles in accordance with European standard EN 166.

Skin protection: rubber gloves (in accordance with European standard EN 420), rubber boots, overalls in accordance with European standard EN 13688 (working suit or rubber apron).

Only use gloves with chemical protection marked with the CE symbol of category III (EN 374). Glove material is butyl rubber.

Gloves made of material are suitable for constant contact with the product: Butyl rubber 0.7 mm, 480 minutes.

Material gloves are suitable for protection against splashes: Nitrile rubber 0.4 mm, 30 minutes.

Replace the gloves at the slightest sign of a breakthrough.

Gloves made of the following materials are not suitable: dense material, leather.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	homogeneous transparent blue liquid
Smell:	specific raw material or flavor used
Threshold of smell:	not defined
pH of 1.0% aqueous solution:	12,4-12,8
Melting/freezing point:	-1°C
Boiling point or temperature range:	98°C
Flash point:	no data available
Intensity of evaporation:	no data available, depends on temperature
Flammability indicators:	non-flammable liquid
Upper and/or lower ignition limits or explosiveness:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Relative density:	1.11-1.13 g/cm ³ , at a temperature of (20±1)°C
Solubility in water:	unlimited
The n-octanol/water partition coefficient:	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	> 120°C
B'Viscosity:	from 0.5 to 1,0 Pa·s
Explosive Hazards:	non-explosive product
Explosive properties:	no data available

9.2 Other information:

Currently, there is no additional data from available sources.

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Section 10: Stability and reactivity

10.1 Reactivity

Acid-alkaline

10.2 Chemical stability

The product is stable under the conditions of storage and transportation.

10.3 Possibility of hazardous reactions

It does not polymerize. Reacts with acids. No dangerous reactions occur when used properly.

10.4 Conditions to avoid

Heating, direct sunlight.

10.5 Incompatible materials:

Corrosive metals (aluminum, zinc, nickel, copper and copper alloys), acids, oxidizing agents, organic chemicals.

10.6 Hazardous decomposition products:

During thermal degradation - sodium oxide, carbon oxides, sulfur oxides, nitrogen oxides.

Section 11: Toxicological information

Additional information on toxicological endpoints is available from the supplier upon request.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixture:

Skin corrosion 1A, Skin Corr. 1A, H314

Eye damage 1

<u>Mutagenicity:</u>	no genotoxic properties were detected
<u>Carcinogenicity:</u>	no carcinogenic effect was detected
<u>Reproductive toxicity:</u>	not detected
<u>Chronic toxicity:</u>	not detected
<u>Teratogenicity:</u>	no teratogenic effects were detected
<u>Cumulative effect:</u>	poor
<u>Specific Target Organ Toxicity:</u>	not detected

Sodium hydroxide (CAS No. 1310-73-2):

Lethal dose for humans 10-20 mg/kg

The lethal dose for humans (oral intake) is 4.95 mg/kg

Acute oral toxicity: LD_{min} (rabbits) = 500 mg/kg

Acute inhalation toxicity: DNEL = 1 mg/m³

Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate (CAS No. 13235-36-4):

Acute oral toxicity: LD₅₀ (rats) > 1000 mg/kg

Lauryl sodium sulfate (CAS No. 68891-38-3):

Acute oral toxicity: LD₅₀ (rats) = 1700-5000 mg/kg

1-hydroxyethylidene-1,1-diphosphonic acid (CAS No. 2809-21-4):

Acute oral toxicity: LD₅₀ (rats) = 2910 mg/kg

Acute dermal toxicity: LD₅₀ (rabbits) > 6310 mg/kg

Sodium 2-ethyl hexyl sulfate (CAS No. 126-92-1):

Acute oral toxicity: LD₅₀ (rats) = 2840 mg/kg (similar to OCDE Directive 401)

Acute dermal toxicity: Irritating to the skin of rabbits (OCDE, Directive 440)

Risk of severe eye damage (OCDE, Directive 405)

The substance has not been tested, the data are taken from substances of similar structure or composition.

Cocamidopropyl betaine (CAS No. 61789-40-0):

Acute oral toxicity: LD₅₀ (rats) = 5 g/kg

11.2 Information on other hazards

Other relevant information on adverse health effects is not available

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Section 12: Ecological information

12.1 Toxicity

Accumulation of the mixture of substances in water and soil has a negative impact on the aquatic environment. Working solutions of the product have low environmental impact. Harmful to drinking water and soil. Flushing a large amount of the product into the sewage system can lead to an increase in pH, which is harmful to living organisms.

Toxicity to aquatic organisms:

Lauryl sodium sulfate (CAS No. 68891-38-3):

Acute toxicity to fish: $CL_{50} = 7.1$ mg/l (96 hours, *Brachydanio rerio* (zebrafish)) (OECD 203);

NOEC (*Oncorhynchus mykiss*): 0.1 mg/l/28 days (OECD 204).

Acute toxicity to *Daphnia*: $EC_{50} = 7.2$ mg/l (*Daphnia magna*, 48 hours) (OECD 202);

NOEC = 0.27 mg/l (*Daphnia magna*, 21 days) (OECD 211).

1-hydroxyethylidene-1,1-diphosphonic acid (CAS No. 2809-21-4):

Acute toxicity to fish: $CL_{50} = 8132$ mg/l (96 hours, *Cyprinodon variegatus*) (OECD 203);

$CL_{50} = 1212$ mg/l (96 hours, *Ictalurus punctatus*) (OECD 203);

Acute toxicity to *Daphnia*: $EC_{50} = 297$ mg/l (*Daphnia magna*, 48 hours) (OECD 202);

NOEC ≥ 25 mg/l (*Daphnia magna*, 28 days)

Chronic toxicity to fish: $CL_{50} = 23$ mg/l (*Oncorhynchus mykiss*, 60 days).

Sodium 2-ethyl hexyl sulfate (CAS No. 126-92-1):

Acute toxicity to fish: $CL_{50} > 100$ mg/l (96 hours, *Brachydanio rerio* (zebrafish)) (OECD 203);

Acute toxicity to *daphnia*: $EC_{50} > 100$ mg/l (*Daphnia magna*, 48 hours) (Directive 92/69/EEC)

Acute toxicity to algae: $EC_{50} > 100$ mg/l (growth factor, green algae,

72 hours) (Directive 92/69/EEC)

Sodium hydroxide (CAS No. 1310-73-2):

Acute toxicity to *daphnia*: $EC_{50} = 40.4$ mg/l water (*Ceriodaphnia* sp., 48 hours)

Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate (CAS No. 13235-36-4):

Acute toxicity to fish: $CL_{50} = 41-2070$ mg/l (96 hours; anhydrous substance)

Acute toxicity to *daphnia*: $EC_{50} > 500$ mg/l (*Daphnia magna*, 24 hours, anhydrous substance)

Acute toxicity to algae: $EC_{50} = 10-100$ mg/l (72 hours, anhydrous substance)

Toxicity to terrestrial organisms:

There is no information about the product.

12.2 Persistence and degradability

The product is biodegradable.

12.3 Bioaccumulative potential

Accumulation in the body is unlikely.

12.4 Mobility in soil

No product data is available. Sodium hydroxide is converted to sodium carbonate, thus limiting the possibility of impact on all objects of the natural environment.

12.5 Results of PBT and vPvB assessment

The product does not meet the PBT and vPvB criteria.

12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

12.7 Other adverse effects

Data on other environmental impacts are not specifically provided.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product: Any residual product that cannot be used for its intended purpose is sent for disposal to a recycling facility licensed by the Ministry of Environmental Protection of Ukraine to carry out this type of work. Collect spilled product using absorbent material in a separate container. Prevent the product from being discharged into sewers and water sources. The state act of Ukraine is the Law of Ukraine "On Waste Management".

Contaminated packaging: Contaminated adsorbent containers are disposed of in accordance with waste management regulations. Containers not contaminated with the substance can be recycled. To clean the container: water, cleaning agents, if necessary. Containers and drug residues are destroyed in accordance with the requirements of the current state legislation.

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Waste disposal code: Detergents 7710.3.1.23
European waste catalog: 20 01 15 - alkalis
Observe the safety precautions in Section 8 during disposal.

Section 14: Transport information

The product is transported by road (ADR), rail (RID), sea (IMDG), air (ICAO).

14.1 UN number or ID number: 1760

14.2 UN proper shipping name: Corrosive liquid, n.o.s. (sodium hydroxide)

14.3 Transport hazard class: 8

14.4 Packing group: III

14.5 Environmental hazards

Accumulation of the mixture substances in water and soil has a negative impact on the aquatic environment. Working solutions of the product have low environmental impact. Harmful to drinking water and soil. Flushing large quantities of the product down the drain can lead to an increase in pH, which is harmful to living organisms.

For more information, see Section 12.

14.6 Special precautions for user

General measures for safe transportation must be observed

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Health, safety and environmental regulations/laws applicable to the mixture or substances.

EU Regulation (EC) No 1907/2006 (REACH) Annex XIV - List of substances subject to authorization.

Substances of Very High Concern - none of the components are listed.

Annex XVII - Restrictions on the production, placing on the market and use of certain hazardous substances, mixtures and products: not available.

Regulations/laws on occupational health and safety, environmental protection, and industrial safety that apply to this product. The Law of Ukraine "On Waste Management", "On Environmental Protection", the Law of Ukraine "About Withdrawal from Turnover, Conversion, Utilization, Destruction, or Further Use of Low-Quality and Dangerous Products", the Water Code of Ukraine, MOH of Ukraine Order No. 1596 of 14.07.2020 «About approval of hygienic regulations for the permissible content of chemical and biological substances in the air of the work area». It is necessary to take into account employment restrictions for adolescents.

15.2 Chemical safety assessment:

It is not necessary to conduct a chemical safety assessment.

Section 16: Other information

Corresponding P-, H-, EUH-phrases:

H290: May cause corrosion of metals

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H318: Causes serious eye damage

H319: Causes severe eye irritation

H410: Very toxic to aquatic organisms with long-term effects

H412: Harmful to aquatic organisms with long-term consequences

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P103 Read carefully and follow all instructions.

P260 Do not breathe dust/fume/gas/mist/vapours/ spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash your hands thoroughly with soap and water after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see first medical aid on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

EUH210 - Safety data sheet available on request.

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Abbreviations and acronyms:

ADR	The European agreement on the international carriage of dangerous goods by road
RID	The European Regulation on the International Carriage of Dangerous Goods by Rail
IMDG	European Agreement concerning the International Carriage of Dangerous Goods by Sea
ICAO	European Agreement concerning the International Carriage of Dangerous Goods by Air
PBT	Persistent bioaccumulative toxic substance
vPvB	(very) Persistent, (very) Bioaccumulative and/or Toxic substance
CAS	Chemical Abstracts Service
IUPAC	international Union of Pure and Applied Chemistry (an international union of theoretical and applied chemistry)
EC	European Community
CLP	Classification, Labelling and Packaging
REACH	Registration, Evaluation and Authorisation of Chemicals
MPC	Maximum permissible concentration
LD _{min}	Minimum lethal dose
LC ₅₀	Average lethal dose
EC ₅₀	Effective concentration occurring in 50% of experimental animals
CL ₅₀	Concentration causing death of 50% of experimental animals
DNEL	The obtained level of effect absence
NOEC	The No-Observed Effect Concentration

Training instructions:

In the production of the product - regular briefing of personnel on protection measures and handling of hazardous substances. When the product is used at car washes - regular instruction of personnel on the rules of work.

Additional Information:

Packaging: plastic containers, packaging from 1.1 kg to 22 kg; filling on request.

The data contained in the safety data sheet is based on the amount of information and experience available to the manufacturer at the time. The consumer of the product is responsible for the consequences of its use for specific purposes. The information relates to this particular mixture. It may not be valid if this mixture is used in conjunction with any other materials or any other process.

Basic literature references and data sources:

Internal research reports

The Hazardous Substances Data Bank (HSDB)

ECHA database of registered substances

TU U 20.4-44243293-001:2021 Car care products. Technical specifications