

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 1 of 9

## Section 1: Products and manufacturer identification

### 1.1 Products identification

Name: Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Trade name: «LEATHER CLEANER»

### 1.2 Types of use of chemical products and non-recommended or prohibited uses

For removing dirt from genuine or artificial leather surfaces

### 1.3 Manufacturer / supplier company identification

Limited liability company "Joint German-Ukrainian Enterprise «DrakenBerg»

Code: 42281913, Ukraine, 29016, Khmelnytskyi region, Khmelnytskyi, Yurii Kozlovsky Street, 7/1.

tel.: +380671111421 director Kushal Denys Viktorovych;

e-mail: [export.drakenberg@gmail.com](mailto:export.drakenberg@gmail.com); web: [drakenberg.com.ua](http://drakenberg.com.ua)

### 1.4 Emergency phone numbers

101 (Ukraine)

+380971445330 technologist Kravets Ihor Petrovych

## Section 2: Hazard identification

### 2.1 Mixture classification

Eye damage 1

H318

### 2.2 Marking elements

Hazard pictograms:



GHS05

Signal word: DANGER

Indication of hazards:

H318: Causes serious eye damage

Precautionary statements:

P280 Wear protective gloves, eye protection

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 doctor/physician

Additional Information:

EUH210 - Safety data sheet of chemical products can be obtained upon request.

EUH401 - Follow the instructions for safe use to avoid risks to human health and the environment.

### 2.3 Other dangers:

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 nanofoms in accordance with the Regulation (EC) No 2020/878.

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 2 of 9

## Section 3: Composition / information about components

### 3.1 Substance:

Not applicable

### 3.2 Mixture:

Hazardous components are listed below

Chemical name (IUPAC)	EC #	CAS #	Concentration, %	Classification (CLP/GHS)	Reach reg #
Sodium lauryl sulfate	221-416-0	68891-38-3	1,5-3,0	Acute toxicity 4, H302 Skin irritation 2, H315 Eye irritation 2, H319 Aquatic acute toxicity 1 H410 Aquatic chronic toxicity 3 H412	---
C8-C10 alkylpolyglycoside	500-220-1	68515-73-1	1,0-1,5	Eye damage 1 H318; Skin irritation 2 H315	--
2-Butoxyethanol (ethylene glycol monobutyl ether)	203-905-0	111-76-2	0,2-0,5	Acute toxicity 4, H332 Acute toxicity 4, H312 Acute toxicity 4, H 302 Skin irritation 2, H315 Eye irritation 2, H319	01-2119475108-36-xxxx
Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate	603-569-9	13235-36-4	0,2-0,5	Acute toxicity 4, H302 Eye irritation 2, H319 Skin irritation 2, H315	---

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: rinse the skin with plenty of water. If irritation persists, consult a dermatologist.

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

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

### 4.2 The most important acute and delayed symptoms and consequences

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

In case of skin contact: skin redness, irritation.

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

If swallowed: heartburn in the mouth, nausea, pain in the oesophagus and abdomen, weakness.

### 4.3 Instructions on the need for first aid

There is no additional information about special first aid measures.

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 3 of 9

## Section 5: Fire safety measures

### 5.1 Fire extinguishing means

Combustible properties: is not a flammable product, but polymer packaging can be involved in a fire.

Appropriate extinguishing agents: Apply fire extinguishing measures according to the environmental conditions. Sprayed water, CO<sub>2</sub> foam, dry chemical powder, sand.

Unsuitable extinguishing agents: do not use a direct water stream on burning materials.

### 5.2 Special hazards that may be caused by the mixture

Hazardous combustion products: carbon oxides, sulphur oxides, nitrogen oxides, peroxides.

Special protective equipment for firefighters: wear a full set of protective clothing and self-contained breathing apparatus as required for the specific fire area. Wear eye protection.

### 5.3 Recommendations for firefighters

Evacuate personnel not involved in firefighting from the area. Use standard firefighting equipment such as self-contained breathing apparatus and full protective equipment. Use filters for organic vapours. Spilled product creates a slippery surface.

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

## Section 6: Measures to eliminate emergency release

### 6.1 Personal safety measures, protective equipment and procedure for emergency situations

#### 6.1.1 For general staff

Use personal protective equipment for eyes and skin. Avoid contact with eyes and skin. Do not inhale vapours and aerosols.

In case of spillage: Cover with an absorbent, collect, place in a container and hand over for disposal. Rinse the spillage area with plenty of water. Collect used water for disposal. Ensure proper ventilation. In case of inadequate ventilation, use suitable breathing equipment. Stop or contain the leak at the source if it is safe to do so. Evacuate personnel to a safe area. Restrict access to the spill area until clean-up 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 response personnel

Use personal protective equipment. Stop or contain the leak at the source if it is safe to do so. Evacuate personnel to a safe area. Restrict access to the spill area until clean-up is complete. Repair the leak if it can be done safely. Eliminate all sources of ignition. Ensure that clean-up 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 a non-combustible absorbent material, pump out the liquid, collect, place in a container, and hand over for disposal. Eliminate large spills by pumping out. Dispose of the product according to the rules specified in section 13.

### 6.2 Measures to ensure environmental protection

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 rinsing water and dispose of it.

### 6.3 Methods and materials for cleaning and neutralization

Do not allow the product to enter sewers, rivers, waterways, and other bodies of water or soil. Stop the sewerage system. Absorbent non-combustible material, water. Place in containers for disposal. Ventilate the affected area.

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 4 of 9

#### 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 protection for hands (EN 420) and eyes (EN 166). Avoid inhalation. Work with the product shall be carried out in accordance with the rules of labour protection. Avoid splashing and getting the product on the face and in the 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 respiratory protection means (EN 133, EN 136, EN 140, EN 143). After work, change your clothes and wash your hands thoroughly.

Fire prevention: Keep away from heat sources and open flames.

#### 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 1m from heating devices. Store only in the manufacturer's corrosion-proof container, separately from food and drinking water, animal feed. Keep the container tightly closed. Guaranteed shelf life is 24 months from the date of manufacture under the conditions of storage.

Incompatibility with substances: acids, oxidants, organic chemicals.

Hazardous decomposition products: carbon oxides, sulphur oxides, nitrogen oxides, peroxides.

#### 7.3 Specific end uses

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

### Section 8: Hazardous exposure controls and personal protective equipment

#### 8.1 Control parameters

In the air of the work 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»:

MPC 2-butoxyethanol (CAS No 111-76-2) = 5mg/m<sup>3</sup>

Minimum safe exposure levels:

DNEL - C8-C10 alkylpolyglycoside (CAS No 68515-73-1) = 420 mg/m<sup>3</sup> (systemic)

DNEL - 2-butoxyethanol (CAS No 111-76-2) = 98 mg/m<sup>3</sup> (systemic)

DNEL - sodium lauryl sulphate (CAS No 68891-38-3) = 175 mg/m<sup>3</sup> (systemic)

#### 8.2 Impact control

##### 8.2.1 Appropriate technical control

Ventilation of workspaces, local exhaust systems.

##### 8.2.2 Personal protective equipment

Respiratory protection: protection is not required in case of adequate ventilation and short-term use. In case of inadequate ventilation or prolonged use, use an organic vapour respirator. Respiratory protection equipment in accordance with European standards EN 133, EN 136, EN 140, EN 143.

Eye protection: sealed goggles in accordance with European Standard EN 166. Emergency eyewash facilities and showers should be provided in the production of the product in the vicinity of any potential exposure site.

Skin protection: safety gloves (in accordance with European standard EN 420). The choice of protective gloves is determined not only by the material, but also by other quality features, and there is a wide variation between

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 5 of 9

different manufacturers. The product is a mixture of different substances, so it is not possible to calculate the resistance of the material from which the gloves are made, which makes it necessary to test for suitability before use. The exact torn time should be checked with the supplier of the protective gloves and observed. Use a specially designed, suitable clothes.

Gloves made of the following materials are unsuitable: dense material, leather, clothing.

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

## Section 9: Physico-chemical properties

### 9.1 Information on basic physicochemical properties

State:	homogeneous transparent colourless or yellow liquid
Smell:	specific, of the used raw materials or flavoring
Threshold of smell:	not defined
pH in the product:	10,0-10,5
Freezing point:	-1°C
Temperature or range of boiling points:	100°C
Flash point:	nonflammable liquid
Intensity of evaporation:	depends on the temperature
Flammability indicators:	nonflammable liquid
Upper and/or lower ignition limits or explosiveness:	nonflammable liquid
Vapour pressure:	no data available
Vapour density:	no data available
Relative density:	1,05-1,10 g/cm <sup>3</sup> , at a temperature of (20±1)°C
Solubility in water:	unlimited
The n-octanol/water partition coefficient:	no data available
Auto-ignition temperature:	not self-igniting
Decomposition temperature:	> 120°C
Viscosity (dynamic):	from 0,2 to 0,5 Pa·s
Explosive properties:	non-explosive product
Oxidizing properties:	no data available

### 9.2 Other information

Currently, there is no additional data from available sources.

## 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 The possibility of dangerous reactions

Does not polymerise. Reacts with acids. No hazardous reactions occur when used properly.

### 10.4 Conditions to avoid

Heating, direct sunlight.

### 10.5 Incompatible materials

Corrosive metals (aluminium, zinc, nickel, copper and copper alloys), acids, oxidising agents.

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 6 of 9

#### 10.6 Hazardous decomposition products:

Carbon oxides, sulphur oxides, nitrogen oxides, peroxides.

### Section 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Mixture:

Eye damage 1

<u>Mutagenicity:</u>	no genotoxic properties 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 effects on target organs:</u>	not detected

##### **C8-C10 alkylpolyglycoside (CAS No 68515-73-1):**

Acute oral toxicity: LD<sub>50</sub> (rats) >2000 mg/kg

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

Acute oral toxicity: LD<sub>50</sub> (rats) > 1000 mg/kg

##### **2-butoxyethanol (CAS No 111-76-2):**

Acute oral toxicity: LD<sub>50</sub> (rats) = 300-2000 mg/kg; LD<sub>50</sub> (mice) =1230 mg/kg;

LD<sub>50</sub> (guinea pigs) =1200 mg/kg; LD<sub>50</sub> (rabbits) = 300 mg/kg.

Acute inhalation toxicity: LC<sub>50</sub> (rats) > 2 mg/l (4 hours); LC<sub>50</sub> (rats) = 486 ppm (4 hours)

Acute dermal toxicity: LD<sub>50</sub> (rabbits) = 1000-2000 mg/kg; LD<sub>50</sub> (rats) > 2000 mg/kg

##### Doses of minimal toxic effect:

EC<sub>min</sub> = 959 mg/m<sup>3</sup>, inhalation, human, exposure for 8 hours (nausea, vomiting);

EC<sub>min</sub> = 492 mg/m<sup>3</sup>, Inhalation, human (headache)

##### **Sodium lauryl sulphate (CAS No 68891-38-3):**

Acute oral toxicity: LD<sub>50</sub> (rats) =1700-5000 mg/kg

### Section 12: Information on environmental impact

#### 12.1 Toxicity to the environment

The mixture accumulation in water and soil has a negative impact on the aquatic environment. Working solutions of the product have a low impact on the environment. 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.

##### Toxicity to aquatic organisms:

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

Acute toxicity to fish: CL<sub>50</sub> = 41-2070 mg/l (96 hours; anhydrous substance)

Acute toxicity to Daphnia: EC<sub>50</sub> > 500 mg/l (Daphne Magna, 24 hours, anhydrous substance)

Acute toxicity to algae: EC<sub>50</sub> = 10-100 mg/l (72 hours, anhydrous substance)

##### **C8-C10 alkylpolyglycoside (CAS No 68515-73-1):**

Acute toxicity to fish: CL<sub>50</sub> = 126 mg/l (96 hours)

Chronic toxicity to fish: CL<sub>50</sub> = 3,2 mg/l (28 days)

Acute toxicity to Daphnia: EC<sub>50</sub> > 100 mg/l (Daphne Magna, 48 hours) (OECD 202).

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 7 of 9

#### **2-butoxyethanol (CAS No 111-76-2):**

Acute toxicity to fish: CL<sub>50</sub> = 1250 mg/l (96 hours, *Minidia atlantica*); CL<sub>50</sub> = 1474 mg/l (96hours, Rainbow Trout/*Oncorhynchus mykiss* (OCDE, Directive 203)

CL<sub>50</sub> = 1395 mg/l (48 hours, *Orpheus gold*); CL<sub>50</sub> = 1700 mg/l (24 hours, Crucian carp).

Acute toxicity to Daphnia: EC<sub>50</sub> = 1054 mg/l (*Daphne Magna*, 48 hours);

CL<sub>50</sub> = 1720 mg/l (*Daphnia Magna*, 24 hours)

Acute toxicity to algae: ErC<sub>50</sub> = 1840 mg/l (72 hours, anhydrous substance)

NOEC chronic > 100 mg/l (21 days, *Brachydanio rerio* (zebrafish))

#### **Sodium lauryl sulphate (CAS No 68891-38-3):**

Acute toxicity to fish: CL<sub>50</sub> = 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<sub>50</sub> = 7,2 mg/l (*Daphne Magna*, 48 hours) (OECD 202);

NOEC = 0,27 mg/l (*Daphne Magna*, 21 days) (OECD 211).

#### **Toxicity to terrestrial organisms:**

There is no information about the product.

#### **12.2 Stability and ability to decompose**

The product is biodegradable.

#### **2-butoxyethanol (CAS No 111-76-2)**

Biochemical oxygen demand (BOD -5) 1.3 g O<sub>2</sub>/g of substance

Chemical oxygen demand (COD) 2,18 g O<sub>2</sub>/g of substance

#### **C8-C10 alkylpolyglycoside (CAS No 68515-73-1):**

Biodegradation in water > 99,4% (28 days)

#### **12.3 Biocumulative potential**

Accumulation in the body is unlikely.

#### **12.4 Mobility in the soil**

No product data available.

#### **12.5 PBT and vPvB assessment results**

The product does not meet PBT and vPvB criteria.

#### **12.6 Other adverse effects**

Data on other environmental impacts are not specifically provided

## **Section 13: Waste disposal information**

### **13.1 Waste management methods**

Dispose of in accordance with local regulations. According to the European Industrial Waste Catalogue, the rules and regulations for waste disposal are not defined by product, but by type of use.

**Product:** Any leftover 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. Do not discharge the product into sewers or water sources. Small spills during use can be washed off with water and poured down the drain. State act of Ukraine - the Law of Ukraine «On Waste Management».

**Contaminated packaging:** Contaminated adsorbent containers should be disposed of in accordance with waste management regulations. Containers not contaminated with the substance can be recycled. To clean the container: water, if necessary, cleaning agents.

**Waste disposal code:** Detergents 7710.3.1.23 (Ukraine).

European waste catalog: 20 01 15 - alkalis.

Observe the safety precautions in Section 8 during disposal activities

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 8 of 9

#### Section 14: Transportation information

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

**14.1 UN number:** no classifications

**14.2 Proper transport name:** no classifications

**14.3 Transport hazard class:** no classifications

**14.4 Packaging group:** III

**14.5 Dangers to the environment**

The mixture accumulation in water and soil has a negative impact on the aquatic environment. Working solutions of the product have a low impact on the environment. Harmful to drinking water and soil. Flushing large amounts of the substance 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 the user**

General measures for safe transport must be observed

**14.7 Transportation in bulk in accordance with Annex II to MARPOL 73/78 and the MSC Code**

Not applicable.

#### Section 15: Regulatory information

**15.1 Normative and legal acts on ensuring protection of human health and the environment**

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

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

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: none.

Regulations/laws on labour protection, health and safety, environmental protection, and industrial safety applicable to this product. Law of Ukraine «On Waste Management», «On Environmental Protection», The Law of Ukraine «On Withdrawal from Circulation, Recycling, Utilisation, Destruction or Further Use of Substandard and Hazardous 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. The Law of Ukraine «On Waste Management».

**15.2 Chemical safety assessment:**

Chemical safety assessment is not required

#### Section 16: Other information

**Corresponding P-, H-, EUH-phrases:**

H302: Harmful if swallowed

H312: Harmful if swallowed

H315: Causes skin irritation

H318: Causes serious eye damage

H319: Causes serious eye irritation

H332: Harmful if inhaled

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST30333:2009

### Polychrom 2020 Detergent for leather «LEATHER CLEANER»

Date: 18.09.2023

Version: 1.0

Supersedes the version: -

Page 9 of 9

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

H412: Harmful to aquatic life with long lasting effects

#### **Precautionary statements:**

P280 Wear protective gloves, eye protection

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 doctor/physician

#### **Additional information:**

EUH210 - Safety data sheet of chemical products can be obtained upon request.

EUH401 - Follow the instructions for safe use to avoid risks to human health and the environment.

#### **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
EC	European Community
CLP	Classification, Labelling and Packaging
REACH	Registration, Evaluation and Authorisation of Chemicals
MPC	Maximum permissible concentration
LD <sub>50</sub>	Average Lethal Dose
EC <sub>min</sub>	Minimum effective concentration
EC <sub>50</sub> , ErC <sub>50</sub>	Effective concentration occurring in 50% of experimental animals
LC <sub>50</sub>	The concentration that causes the death of 50% of the subjects
DNEL	Minimum safe exposure level
NOEC	A concentration that does not cause a visible adverse effect
COD	Chemical oxygen demand
BOD	Biochemical oxygen demand

#### **Training instructions:**

During the production of the product, the staff is regularly instructed on the protection and handling of hazardous substances.

#### **Additional Information:**

Packaging: from 0.5 l to 20 l; 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