

SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),
DSTU GOST 30333:2009

Polychrom 2020 Universal wheel rim cleaner with indicator "DISK CLEANER"

Date: 03.01.2024

Version: 1.0

Supersedes the version: -

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Section 1: Identification of the mixture and of the company

Product identifier

Name: **Universal wheel rim cleaner with indicator "DISK CLEANER"**

Trade name: **Polychrom 2020**

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

Means for removing dirt from all types of wheel rims

1.3 Details of the supplier of the safety data sheet

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; web: drakenberg.com.ua

1.4 Emergency telephone numbers

101 (Ukraine)

+380971445330 technologist Kravets Ihor Petrovych

Section 2: Hazard identification

2.1 Classification of the mixture

Skin damage 1

Eye damage 1

H314

2.2 Label elements

Hazard pictograms:



GHS05

Signal word: DANGER

Hazard statements:

H314: Causes severe skin burns and eye damage

Precautionary statements:

P260 Do not breathe vapours and spray

P264 Wash hands thoroughly with soap and water after handling the product

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

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.

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

P310 Immediately call a doctor/physician

Additional non-GHS hazard statement:

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

2.3 Other hazards:

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

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Does not contain substances in nanoforms in accordance with the Regulation (EC) No 2020/878.
Does not contain destroyers of the endocrine system, in the amount of $\geq 0,1\%$

Section 3: Composition / information on ingredients

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 sulphate	500-234-8	68891-38-3	5,0-10,0	Skin irritation 2, H315 Eye damage 1, H318 Water chronic toxicity 3 H412	01-2119488639-16-xxxx
Thioglycolic acid	200-677-4	68-11-1	5,0-10,0	Acute toxicity 3, H331 (when inhaled) Acute toxicity 3, H311 (skin) Acute toxicity 3, H301 (when swallowed) Skin corrosion 1B, H314	01-2119494933-24-xxxx
Sodium hydroxide (caustic soda)	215-185-5	1310-73-2	1,0-5,0	Skin corrosion 1A, H314	01-2119457892-27-xxxx
2-butoxyethanol (ethylene glycol monobutyl ether)	203-905-0	111-76-2	1,0-5,0	Acute toxicity 4, H332 (when inhaled) Acute toxicity 4, H312 (skin) Acute toxicity 4, H 302 (when swallowed) Skin irritation 2, H315 Eye irritation 2, H319	01-2119475108-36-xxxx
Sodium 2-ethyl hexyl sulphate	204-812-8	126-92-1	1,0-5,0	Skin irritation 2, H315 Eye damage 1, H318	---

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 dressing, and consult a dermatologist.

In case of eye contact: 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 200-300ml of water with activated charcoal. DO NOT INDUCE VOMITING. Seek medical advice and show 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,

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headache, dizziness.

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

In case of eye contact: pain, 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 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

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, CO₂ foam, dry chemical powder, sand.

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

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: carbon oxides, sulphur oxides, nitrogen oxides, peroxides, sodium oxide, hydrogen sulphide, toxic gases.

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 Advice 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 organic vapour filters. Spilled product creates a slippery surface.

Do not allow fire extinguishing water to enter sewers or water sources. Dispose of contaminated fire extinguishing water in accordance with national legislation. 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

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 dispose of for disposal. Rinse the spillage area with plenty of water. Collect used water for disposal. Ensure adequate 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 responders

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 without risk. Eliminate all sources of ignition.

Ensure that liquidation is carried out only by qualified personnel.

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 material - absorbent, pump out the liquid, collect, place in a container, and hand over for disposal. Remove large spills by pumping them out. Dispose of the product in accordance with the rules specified in section 13.

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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 rinsing 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 must be carried out using personal skin protection equipment (protective clothing, rubberised apron, rubber gloves, rubber boots (EN 420, EN 13688), eyes (sealed goggles, EN 166). Do not inhale vapours. Work with the product shall be carried out in accordance with the Occupational Safety and Health Regulations. 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 not possible to ensure sufficient ventilation of the room, use respiratory protection (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 a temperature between +5°C and +30°C and relative humidity up to 80%, out of sunlight, 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: corrosive metals (aluminium, zinc, nickel, copper, copper alloys), acids, oxidants, organic chemicals.

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

7.3 Specific end uses

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

Section 8: Exposure controls/personal protection

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) = 5 mg/m³

MPC sodium hydroxide (CAS No 1310-73-2) = 0.5 mg/m³ (sprays)

MPC thioglycolic acid (CAS No 68-11-1) = 0.1 mg/m³ (vapor+aerosol)

Minimum safe exposure levels:

DNEL C8-C10 alkylpolyglycoside (CAS No 68515-73-1) = 420 mg/m³ (systemic)

DNEL 2-butoxyethanol (CAS No 111-76-2) = 98 mg/m³ (systemic)

DNEL sodium lauryl sulphate (CAS No 68891-38-3) = 175 mg/m³ (systemic)

DNEL sodium hydroxide (CAS No 1310-73-2) = 1.0 mg/m³ (local)

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DNEL sodium 2-ethyl hexyl sulphate (CAS No 126-92-1) = 285 mg/m³ (systemic)

DNEL thioglycolic acid (CAS No 68-11-1) = 1.58 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: 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 the 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: protective gloves (in accordance with the 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 big difference between 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 necessitates a test for suitability before use. Check with your glove supplier for the exact torn time and observe it. Use special suitable clothing. Gloves made of the following materials are unsuitable: dense material, leather.

8.2.3 Environmental impact control

Keep away from sewage, surface and groundwater

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	homogeneous transparent colourless liquid
Smell:	specific, of the raw material or flavour used
Threshold of smell:	not defined
pH (in 1% solution):	9.0-10.0
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:	1,10-1,20 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:	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

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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 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, organic chemicals.

Avoid contact with strong oxidizing agent

10.6 Hazardous decomposition products:

Carbon oxides, sulphur oxides, nitrogen oxides, peroxides, sodium oxide.

Section 11: Toxicological information

11.1 Information on toxicological effects

Mixture:

Skin damage 1

Eye damage 1

Mutagenicity: no genotoxic properties detected

Carcinogenicity: no carcinogenic effect was detected

Reproductive toxicity: not detected

Chronic toxicity: not detected

Teratogenicity: no teratogenic effects were detected

Cumulative effect: poor

Specific effects on target organs: not detected

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

Acute oral toxicity: LD₅₀ (rats) >2000 mg/kg

Thioglycolic acid (CAS No 68-11-1):

Acute oral toxicity: LD₅₀ (rats) = 73 mg/kg (OECD 401);

Acute dermal toxicity: LD₅₀ (rabbits) = 848 mg/kg (OECD 402);

Acute inhalation toxicity: LC₅₀ (rats) = 1,1 mg/l (4 hours, aerosol) (OECD 403).

According to some data, it can cause skin sensitization

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

Acute oral toxicity: LD₅₀ (rats) = 300-2000 mg/kg; LD₅₀ (mice) = 1230 mg/kg;

LD₅₀ (guinea pigs) = 1200 mg/kg; LD₅₀ (rabbits) = 300 mg/kg.

Acute inhalation toxicity: LC₅₀ (rats) > 2 mg/l (4 hours); LC₅₀ (rats) = 486 ppm (4 hours)

Acute dermal toxicity: LD₅₀ (rabbits) = 1000-2000 mg/kg; LD₅₀ (rats) > 2000 mg/kg

Doses of minimal toxic effect:

EC_{min} = 959 mg/m³, inhalation, human, exposure for 8 hours (nausea, vomiting);

EC_{min} = 492 mg/m³, inhalation, human (headache)

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

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

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

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

Acute dermal toxicity: Irritates rabbit skin (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.

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

Lethal dose to humans 10-20 mg/kg

Lethal dose to humans (oral intake) = 4.95 mg/kg

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

Acute inhalation toxicity: DNEL = 1 mg/m³

Section 12: Ecological information

12.1 Toxicity

Not classified as hazardous to the aquatic environment.

The accumulation of the mixture 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 product down the drain can lead to an increase in pH, which is harmful to living organisms.

Toxicity to aquatic organisms:

Thioglycolic acid (CAS № 68-11-1):

Acute toxicity to fish: CL₅₀ > 100 mg/l (96 hours; Oncorhynchus mykiss), (OECD 203);

Acute toxicity to daphnia: EC₅₀ = 38 mg/l (Daphne Magna, 48 hours), (OECD 202);

Acute toxicity to algae: ErC₅₀ = 27 mg/l (72 hours, Pseudokirchnerie ila subcapitata), (OECD 201).

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

Acute toxicity to fish: CL₅₀ = 126 mg/l (96 hours)

Chronic toxicity to fish: CL₅₀ = 3.2 mg/l (28 days)

Acute toxicity to daphnia: EC₅₀ > 100 mg/l (Daphne Magna, 48 hours) (OECD 202).

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

Acute toxicity to fish: CL₅₀ = 1250 mg/l (96 hours, Minidia atlantica); CL₅₀ = 1474 mg/l (96 hours, Rainbow Trout/Oncorhynchus mykiss (OCDE, Directive 203)

CL₅₀ = 1395 mg/l (48 hours, Orpheus gold); CL₅₀ = 1700 mg/l (24 hours, Crucian carp).

Acute toxicity to daphnia: EC₅₀ = 1054 mg/l (Daphne Magna, 48 hours); CL₅₀ = 1720 mg/l (Daphne Magna, 24 hours)

Acute toxicity to algae: ErC₅₀ = 1840 mg/l (72 hours, anhydrous substance)

NOEC chronic > 100 mg/l (21 days, Brachydanio rerio (zebra fish))

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

Acute toxicity to fish: CL₅₀ = 7.1 mg/l (96 hours, Brachydanio rerio (zebra fish)) (OECD 203);

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

Acute toxicity to daphnia: EC₅₀ = 7.2 mg/l (Daphne Magna, 48 hours) (OECD 202);

NOEC = 0.27 mg/l (Daphne Magna, 21 hours) (OECD 211).

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

Acute toxicity to fish: CL₅₀ > 100 mg/l (96 hours, Brachydanio rerio (zebra fish)) (OECD 203);

Acute toxicity to daphnia: EC₅₀ > 100 mg/l (Daphne Magna, 48 hours) (Directive 92/69/EEC)

Acute toxicity to algae: EC₅₀ > 100 mg/l (growth rate, green algae, 72 hours) (Directive 92/69/EEC)

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

Acute toxicity to daphnia: EC₅₀ = 40.4 mg/l water (Ceriodaphnia Sp., 48 hours)

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Toxicity to terrestrial organisms:

There is no product information available.

12.2 Persistence and degradability

The product is biodegradable

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

Biochemical oxygen demand (BOD -5) 1.3 g O₂/g of substance

Chemical oxygen demand (COD) 2.18 g O₂/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.

Thioglycolic acid: The n-octanol/water partition coefficient (log K_{OW}) < 1 (OECD 107)

12.4 Mobility in the soil

No product data available. Sodium hydroxide is converted to sodium carbonate, thus limiting the potential for impact on all environmental objects.

Thioglycolic acid: 0,00000145 Pa·m³/mol

12.5 PBT and vPvB assessment results

The product does not meet 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

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.

Section 14: Transportation information

The product is transported by road (ADR), rail (RID), sea (IMDG), air (ICAO) in accordance with the rules for the carriage of goods applicable to a particular type of transport.

14.1 UN number: 1760

14.2 Proper transport name: Corrosive liquid, n.o.s. (sodium hydroxide)

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14.3 Transport hazard class: 8

14.4 Packaging group: III

14.5 Environmental hazards

The product is not classified as hazardous to the aquatic environment

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 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 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.

15.2 Chemical safety assessment:

Chemical safety assessment is not required

Section 16: Other information

Corresponding P-, H-, EUH-phrases:

H301 Toxic if swallowed

H302 Harmful if swallowed

H311 Toxic in contact with skin

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H331 Toxic if inhaled

H332 Harmful if inhaled

H410 Highly toxic to aquatic organisms with long-term effects

H412 Harmful to aquatic life with long lasting effects

P260 Do not breathe vapours and spray

P264 Wash hands thoroughly with soap and water after handling the product

P280 Wear protective gloves, eye protection

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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present and easy to do. Continue rinsing

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.

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

P310 Immediately call a doctor/physician

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

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
MDG	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
DNEL	Minimum safe exposure level
LD ₅₀	average Lethal Dose
EC _{min}	Minimum effective concentration
EC ₅₀ , ErC ₅₀	Effective concentration occurring in 50% of experimental animals
LC ₅₀	The concentration that causes the death of 50% of the subjects
NOEC	A concentration that does not cause a visible adverse effect
COD	Chemical oxygen demand
BOD	Biochemical oxygen demand

Training instructions:

In the production of the product, regularly instruct the staff on the protection and handling of hazardous substances.

Additional Information:

Packaging: from 1.0 kg to 1000 kg; filling on request.

The data contained in the safety data sheet is based on the amount of information and experience currently available to the manufacturer. 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 be invalid 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

Database of chemicals GESTIS

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