



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

[Prepared in accordance with Regulation (EC) No 1907/2006 (REACH) and EU 2015/830]

Section 1: Identification of the substance/mixture and identification of the company.

1.1. Product ID.

CHROMOCLEAN PREMIUM

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

Identified uses: Detergent, a product for the care of bathroom fittings and ceramics. Recommended for cleaning PVD coatings and chrome surfaces.

Uses advised against: all except those mentioned above.

1.3. Details of the supplier of the safety data sheet.

Manufactured by the owner of the IGOCHEM™ trademark IGOSA Sp. z o. o.,

Address: Gliwicka 3, 40-079 Katowice, Poland

Phone: +48 (32) 131 48 93

E-mail: info@igochem.com

1.4. Emergency telephone number.

112 (general emergency number), 998 (fire brigade), 999 (medical emergency)

Section 2: Hazard Identification.

2.1. Classification of the substance or mixtures Skin Irrit. 2H315, Eye Dam. 1 H318 .

Irritates skin. Causes serious eye damage.

2.2. Elements markings .

Pictograms indicating the type of hazard and signal word



DANGER

Names of hazardous ingredients on the label

Contains: lactic acidL(+); poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy)-(4-11 OE).

Hazard statements

H315 Irritates the skin.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IN CASE OF SKIN CONTACT: Wash with plenty of soap and water.

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.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. medical care.

Additional information

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

2.3. Other threats .

The components of the mixture do not meet the criteria for PBT or vPvB according to Annex XIII of the REACH Regulation.

Section 3: Composition/information on ingredients.

3.1. Mixtures.

CAS number: 79-33-4 EC number: 201-196-2 Index number: - REACH registration number: -	<u>L(+) lactic acid</u> Skin Irrit. 2 H315, Eye Dam. 1H318	1-5%
CAS number: 64-17-5 EC number: 200-578-6 Index number: 603-002-00-5 REACH registration number: 01-2119457610-43-XXXX	<u>ethanol</u> 1) Flam. Liq. 2 H225, Eye Irrit. 2 H319 specific concentration limit: ≥ 50% Eye Irrit. 2 H319	1-2%
CAS number: 5949-29-1 EC number: 611-842-9 Index number: - REACH registration number: 01-2119457026-42-XXXX	<u>citric acid</u> Eye Irrit. 2 H319	1-2%
CAS number: 53563-70-5 EC number: 611-013-1 Index number: - REACH registration number: -	<u>poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy)-(4-11 OE)</u> Eye Dam. 1 H318	1-2%
CAS number: 68815-56-5 EC number: 500-232-7 Index number: - REACH registration number: -	<u>alcohols, C10-16, ethoxylated, sulfosuccinates, disodium salts</u> Eye Irrit. 2 H319	1-2%
CAS number: 1310-73-2 EC number: 215-185-5 Index number: 011-002-00-6 REACH registration number: 01-2119457892-27-XXXX	<u>sodium hydroxide</u> Met. 1) Corr. 1 H290, S kin Corr. 1A H314 <u>Specyficzne stężenia graniczne:</u> ≥ 5% Skin Corr. 1A H314 2 - <5% Skin Corr. 1B H314 0.5 - <2% Skin Irrit. 2 H315, Eye Irrit. 2H319	0.1-1%
CAS number: 67-63-0 EC number: 200-661-7 Index number: 603-117-00-0 REACH registration number: 01-2119457558-25-XXXX	<u>propan-2-ol</u> 1) Flam Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	<0.1%
CAS number: 78-93-3 EC number: 201-159-0 Index number: 606-002-00-3 REACH registration number: -	<u>butan-2-one</u> 1) 2) Flam Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066 3)	<0.1%



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

01-2119457290-43-XXXX		
CAS number: 55965-84-9 EC number: 611-341-5 Index number: 613-167-00-5 REACH registration number: 01-2120764691-48-XXXX	<u>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</u> Acute Tox. 3 H301, Acute Tox. 2 H310, Skin Corr. 1C H314, Skin Sens. 1A H317, Eye Dam. 1 H318, Acute Tox. 2 H330, Aquatic Acute 1, H400 (M=100), Aquatic Chronic 1 H410 (M=100), EUH071 3) <u>Specific concentration limits:</u> ≥ 0.6% Skin Corr. 1C H314 ≥ 0.6% Eye Dam. 1 H318 0.06% - <0.6% SkinIrrit. 2 H315 0.06% - <0.6% EyeIrrit. 2 H319 ≥ 0.0015% Skin Sens. 1A H317	<0.0015%

- 1) A substance with a specific occupational exposure limit value at national level.
- 2) A substance with a specific value of the maximum permissible concentration in the workplace at EU level.

- 3) Additional classification code indicating the type of hazard.

Ingredients in accordance with the Detergents Regulation 648/2004/EC as amended.

nonionic surfactants < 5% anionic surfactants

<5% fragrances (HEXYL CINNAMAL,

CITRONELLOL)

preservatives (LACTIC ACID, METHYLCHLOROISOTHIAZOLINONE,

METHYLISOTHIAZOLINONE) The full text of the H phrases is given in section 16 of the card.

Section 4: First aid measures.

4.1

Description of first aid measures.

In contact with skin: Remove contaminated clothing and shoes. Wash exposed skin with plenty of soap and water. Consult a doctor if disturbing symptoms occur.

In contact with eyes: Protect the non-irritated eye and remove contact lenses. Rinse contaminated eyes thoroughly with water for at least 15 minutes, holding the eyelids open. Avoid strong water jets – risk of corneal damage. Apply a sterile dressing. Consult an ophthalmologist immediately.

In case of ingestion: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor and show the packaging or label.

After inhalation exposure: take the injured person to fresh air, keep him warm and calm.

If you experience any disturbing symptoms, consult your doctor.

4.2 Most important acute and delayed symptoms and effects of exposure.

In contact with skin: redness, dryness, irritation, in sensitive people itching, inflammation, allergic reactions.

In contact with the eyes: redness, tearing, burning, blurred vision, irritation, pain, risk of serious eye damage.

After swallowing: possible abdominal pain, nausea, vomiting, throat irritation.

After inhalation: possible irritation of the respiratory system, cough.



MATERIAL SAFETY DATA SHEET CHROMOCLEAN PREMIUM

Update date: 05/08/2024

4.3 Indications for any immediate medical attention and special treatment of the injured person.

- The decision on emergency procedures is made by the physician after a thorough assessment of the injured person's condition. Treatment is symptomatic.

Section 5: Firefighting measures.

5.1

Fire extinguishing agents.

Suitable extinguishing media : Fire extinguishing foam, extinguishing powder, CO₂, water spray. Adjust the extinguishing agent to the materials present in the surrounding area.

Inappropriate extinguishing media: a dense stream of water – danger of fire spreading.

5.2 Special hazards arising from the substance or mixture.

- Combustion may produce harmful gases, including carbon oxides, nitrogen oxides, sulfur oxides, and other unidentified pyrolysis products. Avoid inhaling combustion products, as they may pose a health hazard.

5.3 Information for fire brigades.

- General protective measures typical in the event of a fire. Do not enter a fire-endangered area without appropriate chemical-resistant clothing and self-contained breathing apparatus. Cool fire-endangered containers from a safe distance with a water spray. Collect used extinguishing media.

Section 6: Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures emergency .

Restrict access by unauthorized persons to the affected area until appropriate cleanup operations are completed. Ensure that only trained personnel remove the affected area and its effects.

In case of large spills, isolate the affected area. Avoid contact with skin and eyes. Wear personal protective equipment. Ensure adequate ventilation. Do not inhale vapors. Do not walk on spilled product – risk of slipping.

6.2. Safety precautions environment .

If large quantities of the product are released, take steps to prevent it from spreading into the environment. Secure sewer outlets, water systems, and entrances to basements and confined spaces. Notify the appropriate emergency services.

6.3. Methods and materials to prevent the spread of contamination and to remove contamination.

Stop the leak, place the damaged packaging in a sealed replacement container. Then, collect the spill using absorbent materials (e.g., sand, earth, universal binders, etc.) and place it in labeled containers. Treat the collected material as waste. Clean the contaminated area with water and ventilate thoroughly.

6.4. References to others section .

Personal protective equipment – see section 8.

For product waste disposal, see section 13.

Section 7: Handling and storage of substances and mixtures.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

7.1

Precautions for safe handling.

Follow general health and safety rules. Do not eat, drink, or smoke while working. Avoid contact with eyes and skin. Use personal protective equipment. Wash hands before breaks and after finishing work. Ensure adequate ventilation. Do not inhale product vapors. Seal the container after opening and store it upright to prevent leakage. Keep unused containers tightly closed. Use as directed.

7.2 Conditions for safe storage, including information on any incompatibilities.

Store only in original, tightly closed containers in a dry, cool, and well-ventilated area. Keep away from food, animal feed, and incompatible materials (see subsection 10.5). Protect from direct sunlight and frost. Do not store in unlabeled containers.

7.3 Specific end use(s).

No uses other than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection.

8.1 Control parameters

Substance	NDS	NDSch	NDSP	DSB
ethanol [CAS 64-17-5]	1900 mg/m ³	—	—	—
sodium hydroxide [CAS 1310-73-2]	0.5 mg/m ³	1 mg/m ³	—	—
propan-2-ol [CAS 67-63-0]*	900 mg/m ³	1200 mg/m ³	—	—
butan-2-one [CAS 78-93-3]*	450 mg/m ³	900 mg/m ³	—	—

*absorption of substances through the skin may be as important as exposure by inhalation.

Legal basis: Journal of Laws of 2018, item 1286.

Recommended monitoring procedures

Procedures for monitoring concentrations of hazardous components in the air and procedures for controlling air quality in the workplace should be implemented – if available and reasonable for the given workplace – in accordance with relevant Polish or European Standards, taking into account the conditions at the exposure site and appropriate measurement methodology adapted to the working conditions. The procedure, type, and frequency of tests and measurements should meet the requirements contained in the Regulation of the Minister of Health of 2 February 2011 (Journal of Laws 2011, No. 33, item 166, as amended).

DNEL values for ethanol [CAS 64-17-5]

Route of exposure	Exposure diagram	DNEL (employees)
skin	long-term systemic	343 mg/kg bw/day
inhalation		950 mg/m ³
inhalation	short-term local	1900 mg/m ³
Route of exposure	Exposure diagram	DNEL (consumers)
alimentary tract	long-term systemic	87 mg/kg bw/day
skin		206 mg/kg bw/day
inhalation		114 mg/m ³



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

inhalation	short-term local	1900 mg/m3
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DNEL values for propan-2-ol [CAS 67-63-0]

Route of exposure	Exposure diagram	DNEL (employees)
skin	long-term systemic	888 mg/kg bw/day
inhalation		500 mg/m3
Route of exposure	Exposure diagram	DNEL (consumers)
alimentary tract	long-term systemic	26 mg/kg bw/day
skin		319 mg/kg bw/day
inhalation		89 mg/m3

DNEL values for butan-2-one [CAS 78-93-3]

Route of exposure	Exposure diagram	DNEL (employees)
skin	long-term systemic	1161 mg/kg bw/day
inhalation		600 mg/m3
Route of exposure	Exposure diagram	DNEL (consumers)
alimentary tract	long-term systemic	31 mg/kg bw/day
skin		412 mg/kg bw/day
inhalation		106 mg/m3

PNEC values for ethanol [CAS 64-17-5]

PNEC	Value
fresh water	0.96 mg/l
sea water	0.79 mg/l
freshwater sediment	3.6 mg/kg dry matter
sporadic release	2.75 mg/l
sewage treatment plant	580 mg/l
secondary poisoning	720 g/kg of food

PNEC values for propan-2-ol [CAS 67-63-0]

PNEC	Value
fresh water	140.9 mg/l
sea water	140.9 mg/l
freshwater sediment	552 mg/kg dry matter
seawater sediment	552 mg/kg dry matter



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

soil	28 mg/kg dry matter
sporadic release	140.9 mg/l
sewage treatment plant	2251 mg/l
secondary poisoning	160 g/kg of food

PNEC values for butan-2-one [CAS 78-93-3]

PNEC	Value
fresh water	55.8 mg/l
sea water	55.8 mg/l
freshwater sediment	284.74 mg/kg dry matter
seawater sediment	284.7 mg/kg dry matter
soil	22.5 mg/kg dry matter
sporadic release	55.8 mg/l
sewage treatment plant	709 mg/l
secondary poisoning	1000 g/kg of food

8.2. Exposure control.

Follow general health and safety rules. Do not eat, drink, or smoke while working. Wash hands thoroughly before breaks and after finishing work. Avoid contact with eyes and skin. General and/or local ventilation should be provided in the workplace to maintain concentrations of harmful agents below established exposure limits. Remove and wash contaminated clothing before reuse. Eye wash stations should be installed in the workplace.

Hand and body protection

Use protective gloves resistant to the product. Recommended glove material: butyl rubber, nitrile rubber, PVC, or other material providing an equivalent level of protection. For short-term contact, use protective gloves with a performance level of 2 or higher (breakthrough time > 30 minutes). For prolonged contact, use protective gloves with a performance level of 6 (breakthrough time > 480 minutes). Wear protective clothing and footwear.

When using protective gloves in contact with chemical products, it is important to remember that the stated performance levels and corresponding breakthrough times do not indicate the actual duration of protection in a given workplace, as this protection is influenced by many factors, such as temperature, exposure to other substances, etc. It is recommended to replace gloves immediately if they show any signs of wear, damage, or change in appearance (color, elasticity, shape). It is important to follow the manufacturer's instructions not only for use, but also for cleaning, maintenance, and storage. It is also important to remove gloves correctly to avoid hand contamination during this procedure.

Eye protection

Wear tight-fitting safety glasses.

Respiratory protection

Not required if adequate ventilation is provided.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

Personal protective equipment used must meet the requirements of Regulation (EU) 2016/425. The employer is obliged to provide protective equipment that is appropriate for the activities performed and meets all quality requirements, including maintenance and cleaning.

Environmental exposure control

Avoid discharge into the environment and do not discharge into the sewage system. Any emissions from ventilation systems and process equipment should be checked to determine their compliance with environmental protection law requirements.

Section 9: Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

state of matter/form: liquid

color:	colorless to light yellow	smell:	
characteristic			
odor threshold:	not marked		
pH value:	3.2-3.5		
melting/freezing point:	not marked		
initial boiling point:	not marked		
flash-point:	evaporation rate not		
determined:	not marked		
flammability (solid, gas):	not		
applicable upper/lower limit			
explosiveness:	not		
applicable			
vapor pressure:	vapor density not		
determined:	not		
marked density:	approx. 1.01 g/cm ³		
solubility:	dissolves in water		
partition coefficient: n-octanol/water:	not marked		
auto-ignition temperature:	not applicable, the product is not self-igniting		
decomposition temperature:	not marked		
explosive properties:	does not show		
oxidizing properties:	does not show		
viscosity:	not marked		

9.2. Other information.

No additional test results.

Section 10: Stability and reactivity.

10.1. Reactivity.

Reactive product. Does not undergo hazardous polymerization. See also subsections 10.4-10.5.

10.2. Stability chemical .

When used and stored properly, the product is stable.

10.3. Possibility of occurrence of dangerous reaction .

No dangerous reactions known.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

10.4. Conditions to be met to avoid.

Avoid direct sunlight and heat sources.

10.5. Materials incompatible .

Strong oxidizing agents.

10.6. Hazardous decomposition products.

Under recommended storage and operating conditions there are no hazardous decomposition products.

Section 11: Toxicological information.

11.1. Information on toxicological effects.

Information on acute and/or delayed effects of exposure has been determined based on product classification information and/or toxicological studies and the manufacturer's knowledge and experience.

Toxicity of components.

L(+) lactic acid [CAS 79-33-4]

LD50 (oral, rat) 3730 mg/kg

LD50 (oral, mouse) 4875 mg/kg LD₅₀(skin, rabbit) >

2000 mg/kg ethanol [CAS 64-17-5]

LD50 (oral, rat) 6200 mg/kg (OECD 401)

LD50 (skin, rabbit) 20000 mg/kg (OECD 402) LC₅₀(inhalation, rat)

124.7 mg/l/4h

citric acid [CAS 5949-29-1]

LD50 (oral, rat) 11700 mg/kg

LD50 (oral, mouse) 5040 mg/kg

LD50 (skin, rat) 885 mg/kg

LD50 (skin, mouse) 961 mg/kg

poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy)-(4-11 OE) [CAS 53563-70-5]

LD50 (oral, rat) > 2000 mg/kg

Toxicity of the mixture.

Acute toxicity

ATEmix (oral route)* > 2000 mg/kg

ATEmix (skin)* > 2000 mg/kg

ATEmix (vapor inhalation)* > 20 mg/l

ATEmix (mist inhalation)* > 5 mg/l

*The acute toxicity of the mixture (ATEmix) was calculated based on the appropriate conversion factor provided in Table 3.1.2 of Annex I to the CLP Regulation as amended.

Based on available data, the classification criteria are not met.

Skin corrosion/irritation Irritates the skin.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

Based on available data, the classification criteria are not met. However, the product contains a component that may cause an allergic skin reaction in sensitive individuals.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

Mutagenic effect on reproductive cells

Based on available data, the classification criteria are not met.

Carcinogenic effect

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met. Specific target organ toxicity – single exposure. Based on available data, the classification criteria are not met. Specific target organ toxicity – repeated exposure. Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Section 12: Ecological information.

12.1. Toxicity .

Toxicity components .

L(+) lactic acid [CAS 79-33-4]

Acute toxicity to fish LC50	320 mg/l/48h
Acute toxicity to crustaceans EC50	240 mg/l/48h/Daphnia sp.
Acute toxicity to algae EC50 ethanol [CAS 64-17-5]	3500 mg/l

Acute toxicity to fish LC50	11000 mg/l/96h/Alburnus alburnus
Acute toxicity to crustaceans EC50	9268 mg/l/48h/Daphnia magna
Acute toxicity to algae EC50 citric acid [CAS 5949-29-1]	1450 mg/l/192h/Microcystis aeruginosa

Acute toxicity to fish LC50	440-706 mg/l/96h/Pimephales promelas
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poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy)-(4-11 OE) [CAS 53563-70-5]

Acute toxicity to fish LC50	> 100 mg/l/96h (OECD 203)
Acute toxicity to crustaceans EC50	67 mg /l/48h/Daphnia sp. (OECD 202)
Acute toxicity to algae EC50	> 100 mg /l/72h (OECD 201)

reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one[EC no. 220-239-6] (3:1) [CAS 55965-84-9]

Acute toxicity to fish LC50	0.22 mg/l/96h/Onchorhynchus mykiss (OECD 203)
Chronic toxicity to fish NOEC	0.098 mg/l/28d/Onchorhynchus mykiss (OECD 210)
Acute toxicity to crustaceans EC50	0.1 mg/l/48h/Daphnia sp. (OECD 202)
Chronic toxicity to crustaceans NOEC	0.004 mg/l/21d/Daphnia sp. (OECD 211)
Acute toxicity to algae EC50	0.048 mg/l/72h/Pseudokirchneriella subcapitata (OECD 201)
Acute toxicity to algae EC50	0.0052 mg/l/48h/Skeletonema costatum (DIN EN ISO 10253)
Chronic algae toxicity NOEC	0.0012 mg/l/72h/Pseudokirchneriella subcapitata (OECD 201)
Chronic algae toxicity NOEC	0.00064 mg/l/48h/Skeletonema costatum (DIN EN ISO 10253)
Acute toxicity to bacteria EC50	7.92 mg/l/3h/activated sludge (OECD 209)
Acute toxicity to bacteria EC20	0.97 mg/l/3h/activated sludge (OECD 209)

Toxicity of the mixture.

The product is not classified as hazardous to the environment.

12.2.Durability and ability to decompose.

The surfactants contained in the product are biodegradable in accordance with the criteria set out in the Detergents Regulation 648/2004/EC as amended.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

Data for components: L(+) lactic acid [CAS 79-33-4]

Biodegradation: 100%

Biological Oxygen Demand: 0.45 mg O₂/mg over 5 days.

Biological Oxygen Demand: 0.6 mg O₂/mg over 20 days.

Chemical Oxygen Demand: 0.8 mg O₂/mg. ethanol [CAS 64-17-5]

Biodegradation: 89% within 14 days.

Citric acid [CAS 5949-29-1]

Biodegradation: > 98% within 2 days. (OECD 302B)

Biological Oxygen Demand: 526 g O₂/g in 5 days. Chemical Oxygen Demand: 728 g O₂/g. alcohols, C₁₀-16, ethoxylated, sulfosuccinates, disodium salts [CAS 68815-56-5] Biodegradation: 76.8 %.

propan-2-ol [CAS 67-63-0]

Biodegradation: 86% in 14 days.

Biological Oxygen Demand: 1.19 g O₂/g over 5 days.

Chemical Oxygen Demand: 2.23 g O₂/g. butan-2-one [CAS 78-93-3]

Biodegradation: 89% in 20 days.

Biological Oxygen Demand: 2.03 g O₂/g over 5 days. Chemical Oxygen Demand: 2.31 g O₂/g.

reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) [CAS 55965-84-9]

Biodegradability: > 60% (OECD 301D)

Biodegradation: > 80% (OECD 303A)

Biodegradation: 100% (OECD 302B)

Half-life: 1.82-1.92 days (OECD 308)

12.3. Bio accumulative potential.

Bioaccumulation is not expected.

Data for components: ethanol [CAS 64-17-5] log Po/w: -0.31 BCF: 3 propan-2-ol [CAS 67-63-0] log Po/w: 0.05 BCF: 3 butan-2-one [CAS 78-93-3] log Po/w: 0.29 BCF: 3 reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) [CAS 55965-84-9] log Po/w ≤ 0.71 (OECD 117) BCF = 3.16 (calculated)

12.4. Mobility in soil .

The product is mobile in soil. It dissolves in water and spreads throughout the aquatic environment. The mobility of the mixture's components depends on their hydrophilic and hydrophobic properties, as well as the abiotic and biotic conditions of the soil, including its structure, climatic conditions, season, and soil organisms.

12.5. Results of the PBT and vPvB .

The substances contained in the mixture are not assessed as PBT and vPvB.

12.6. Other harmful effects actions .

The mixture is not classified as hazardous to the ozone layer. The potential for other harmful effects of individual components of the mixture on the environment should be considered (e.g., potential for endocrine disruption, contribution to global warming).

Section 13: Waste management.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

13.1. Disposal methods waste .

Recommendations for the mixture: Dispose of in accordance with applicable regulations. Store residues in original containers. Do not mix with other waste. Assign the waste code at the place of its generation.

Recommendations for used packaging: Packaging waste should be recovered/recycled/disposed of in accordance with applicable regulations. Only completely emptied packaging may be recycled.

EU legal acts: Directives of the European Parliament and of the Council: 2008/98/EC as amended, 94/62/EC as amended. National legal acts: Journal of Laws 2013 item 21 as amended, Journal of Laws 2013 item 888 as amended.

Section 14: Transportation Information

14.1. UN number (UN number).

Not applicable. The product is not classified as hazardous during transport.

14.2. Proper shipping name UN .

Not applicable.

14.3. Hazard class(es) in transport .

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Threats to environment .

Not applicable.

14.6. Special precautions for users.

Not applicable.

14.7. Transport in bulk in accordance with Annex II to MARPOL and the IBC Code.

Not applicable.

Section 15: Regulatory Information.

15.1. Safety, health and environmental regulations specific to the substance or mixture.

Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws of 2011, No. 63, item 322, as amended) amended).

Regulation of the Minister of Labour and Social Policy of 12 June 2018 on the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286).

Waste Act of 14 December 2012 (Journal of Laws of 2013, item 21 as amended).

Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws of 2013, item 888 as amended).

Regulation of the Minister of the Environment of 9 December 2014 on the waste catalogue (Journal of Laws of 2014, item 1923).

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the work environment (Journal of Laws of 2011, No. 33, item 166, as amended).

European Agreement ADR concerning the international carriage of dangerous goods by road.

1907/2006/EC Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

1272/2008/EC Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended.

2015/830/EU Commission Regulation of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

2008/98/EC Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended

94/62/EC Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste, as amended

2016/425/EU Regulation of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

648/2004/EC Regulation of the European Parliament and of the Council of 31 March 2004 on detergents, as amended.

15.2. Chemical safety assessment.

A chemical safety assessment for the mixture is not required.

Section 16: Other information.

Full text of H phrases from section 3 of the card

H225	Highly flammable liquid and vapor		
H290	May cause corrosion of metals.		
H301	Toxic if swallowed.		
H310	May be fatal on contact with skin.		
H314	Causes severe skin burns and eye damage.		
H315	Irritates the skin.		
H317	May cause allergic skin reaction.		
H318	Causes serious eye damage.		
H319	Irritating to eyes.		
H330	Inhalation may result in death.		
H336	May cause drowsiness or dizziness.		
H400	Very toxic to aquatic organisms.		
H410	Very toxic to aquatic life with long lasting effects.	EUH066	Repeated exposure
	may cause skin dryness or cracking.		
EUH071	It is corrosive to the respiratory tract.		

Explanation of abbreviations and acronyms

Acute Tox. 2	Acute toxicity category 2
Acute Tox. 3	Acute toxicity category 3
Aquatic Acute 1	Posing an acute hazard to the aquatic environment, category 1
Aquatic Chronic 1	Posing a chronic hazard to the aquatic environment, category 1
Eye Dam. 1	Serious eye damage category 1
Eye Irrit. 2	Eye irritation category 2
Flam. Liq. 2	Flammable liquid substance category 2
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Skin Corr. 1A	Corrosive action category 1A
Skin Corr. 1B	Corrosive action category 1B
Skin Corr. 1C	Corrosive action category 1C
Skin Irrit. 2	Skin irritation category 2
Skin Sens. 1A	Skin sensitization category 1A
STOT SE 3	Specific target organ toxicity – single exposure category 3
NDS	Highest Allowable Concentration

CHROMOCLEAN PREMIUM



MATERIAL SAFETY DATA SHEET

CHROMOCLEAN PREMIUM

Update date: 05/08/2024

NDSch	Maximum Allowable Momentary Concentration
NDSP	Highest Permissible Ceiling Concentration
DSB	Permissible Concentration in Biological Material
PBT	Persistent, bioaccumulative and toxic substance
vPvB	Very persistent and highly bioaccumulative substances
DNEL	Derived no-change level
PNEC	Predicted No Effect Concentration
NOEC	The highest concentration of a toxic substance at which no adverse effects are observed. the effect of its action.

Training

Before starting to work with the product, the user should familiarize himself with the health and safety regulations regarding handling chemicals, and in particular, undergo appropriate on-the-job training.

References to key literature and data sources

The data sheet was prepared on the basis of component data sheets provided by the manufacturer, literature data, online databases and existing knowledge and experience, taking into account the currently applicable legal regulations.

Classification and procedures used to classify the mixture in accordance with Regulation (EC) No 1888/2003/1272/2008 [CLP] as amended

Skin Irrit. 2 H315	calculation method
Eye Dam. 1 H318	calculation method

Additional information

This Charter was developed based on data provided by the manufacturers of the product's ingredients, national regulations in force at the time of its preparation, and our knowledge. The information contained in this Charter should be considered solely as an aid to safe use, as well as to procedures during transport, distribution, and storage. The Charter is not a certificate of product quality. The information contained in this Charter applies only to the specified product and cannot be transferred to similar products.