



SAFETY INSTRUCTIONS CHROMOCLEAN

[Prepared in accordance with EC Regulation 1907/2006 (REACH) and EU 2015/830]

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1 Product identifier

CHROMOCLEAN

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

Recommended areas of application: detergent; preparation for the care of sanitary ware and ceramics.

Recommended for the maintenance of PVD, chrome and ceramic surfaces

Not recommended use: all but the above.

1.3. Details of the supplier of the safety data sheet

Manufactured upon the order of the owner TM IGOCHEM IGOSA Sp.z o. o

Address: ul. Gliwicka 3 , 40-079 Katowice, Polska

Telephone: +48 (32) 131 48 93

E-mail : info@igochem.com

1.4. Emergency telephone number

112 (general emergency telephone), 998 (fire department), 999 (medical emergency)

SECTION 2: HAZARDS IDENTIFICATION

2.1 . Classification of the substance or mixture

Skin Irrit. 2 H315, Eye Dam. 1 H318.

Irritating to the skin. Causes serious eye damage.

2.2 . Label marks

Hazard pictograms and signal word



Danger

Names of dangerous ingredients on the label.

Content: lactic acid L(+); poly(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(octyloxy)-(4-11 OE). Statements that define the type of hazard:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 If in eyes: Rinse thoroughly with water for several minutes. Remove contact lenses if present and easy to remove. Keep rinsing.

P310 Call a POISON CENTER/doctor immediately.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. Additional Information EUH208 Contains the reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May cause an allergic reaction.

2.3. Other threats

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



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Mixtures

Number CAS: 79-33-4 Number WE: 201-196-2 Number index: - Number registration REACH: -	Lactic acid <u>L(+)</u> Skin Irrit. 2 H315, Eye Dam. 1 H318	1-5 %
Number CAS: 64-17-5 Number WE: 200-578-6 Number index: 603-002-00-5 Number registration REACH: 01-2119457610-43-XXXX	<u>etanol</u> ¹⁾ Flam. Liq. 2 H225, Eye Irrit. 2 H319 specific concentration limit \geq 50 % Irrit. 2 H319	Eye 1-2 %
Number CAS: 5949-29-1 Number WE: 611-842-9 Number index: - Number registration REACH: 01-2119457026-42-XXXX	Lactic acid_ Eye Irrit. 2 H319	1-2 %
Number CAS: 53563-70-5 Number WE: 611-013-1 Number index: - Number registration REACH: -	poli(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(octyloxy))-(4-11 OE) Eye Dam. 1 H318	1-2 %
Number CAS: 68815-56-5 Number WE: 500-232-7 Number index - Number registration REACH: -	alcohols, C10-16, ethoxylated, sulfosuccinates, disodium salts Eye Irrit. 2 H319	1-2 %
Number CAS: 1310-73-2 Number WE: 215-185-5 Number index: 011-002-00-6 Number registration REACH: 01-2119457892-27-XXXX	sodium hydroxide meth. corr. ¹⁾ 1 H290, S SPECIFIC BORDER CONCENTRATION 2 - < 5% 0,5 - < 2%	Skin Corr. 1A H314 Specific concentration limit Skincorr. 1A H314 Skincorr. 1B H314 Skin Irrit. 2 H315, Eye Irrit. 2 H319 0,1-1 %
Number CAS: 67-63-0 Number WE: 200-661-7 Number index: 603-117-00-0 Number registration REACH: 01-2119457558-25-XXXX	<u>propan-2-ol</u> ¹⁾ Flam Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	< 0,1 %
Number CAS: 78-93-3 Number WE: 201-159-0 Number index: 606-002-00-3 Number registration REACH: 01-2119457290-43-XXXX	<u>butan-2-on</u> ¹⁾²⁾ Flam Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066 ³⁾	< 0,1 %
Number CAS: 55965-84-9 Number WE: 611-341-5	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2-gizothiazol-3-one (3:1) Acute Tox. 3 H301, Acute Tox. 2 H310, Skin	<



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Number index: 613-167-00-5 Number registration REACH: 01-2120764691-48-XXXX	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 % Skin Irrit. 2 H315 0,06 % - < 0,6 % Eye Irrit. 2 H319 ≥ 0,0015 % Skin Sens. 1A H317	0,0015 %
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- 1) 1) Substance with a specified maximum permissible concentration in the working environment at the national level.
- 2) 2) Substance with a specified occupational exposure limit at EU level.
- 3) 3) Additional classification code indicating the type of hazard.

Ingredients in accordance with the detergent regulation 648/2004/EC together with d. nonionic surfactants < 5% anionic surfactants < 5% fragrances (HEXYL CINNAMAL, CITRONELLOL) preservatives (lactic acid, methylchloroisothiazolinone, methylisothiazolinone)

The full text of the H statements is given in section 16 of the map.

SECTION 4: FIRST AID MEDICINES

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing and shoes. Wash exposed skin with plenty of soap and water. If worrisome symptoms occur, see a doctor.

Eye contact: protect the unaffected eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for at least 15 minutes with the eyelids open. Avoid strong water jet - risk of damage to the cornea. Apply a sterile dressing. Contact an ophthalmologist immediately.

If swallowed: Rinse mouth with water. Don't induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor, show the package or label.

After inhalation: Remove victim to fresh air, keep warm and calm. If you experience worrying symptoms, see your doctor.

4.2. The most acute and delayed symptoms and effects when affected

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

Eye contact: Redness, tearing, burning, blurred vision, irritation, pain, risk of serious eye damage.

If swallowed: possible abdominal pain, nausea, vomiting, throat irritation.

In case of inhalation of vapors: possible irritation of the respiratory tract, coughing. Indication of any immediate medical attention and special treatment needed

The doctor decides on the procedure to be followed after a thorough assessment of the victim's condition. symptomatic treatment.

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SECTION 5: PROCEDURES IN CASE F FIRE

Extinguishing media

- 5.1. Suitable extinguishing media: foam, powder, CO₂, water spray. Extinguishing media must be adapted to the materials collected in the environment. Unsuitable extinguishing media: compact stream of water - risk of fire spread.
- 5.2. **Special hazards arising from the substance or mixture**
During combustion, noxious gases may be generated, including but not limited to carbon oxides, nitrogen oxides, sulfur oxides and other unidentified pyrolysis products. Avoid inhalation of combustion products, they may be hazardous to health.
- 5.3. **Advice for firefighters**
General protective measures in case of fire. Do not stay in a fire area without suitable chemical resistant clothing and self-contained breathing apparatus. Cool fire-threatened containers from a safe distance with water spray. Gather used extinguishing media.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 .Personal precautions, protective equipment and emergency procedures

Limit the access of bystanders to the endangered area until appropriate cleaning operations are completed. Make sure that the failure and its effects are removed only by trained personnel. In case of large spills, isolate the endangered area. Avoid contact with skin and eyes. Use personal protection measures. Provide adequate ventilation. Do not inhale the mists. Do not walk on the spilled product - risk of slipping.

6.2. Environmental precautions

In the event of release of larger amounts of the product, steps should be taken to prevent it from spreading into the environment. Secure the outlets of the sewage system, water installations and entrances to cellars and closed areas. Notify the appropriate emergency services.

6.3. Methods and materials preventing the spread of contamination and used for removing contamination

Stop the leak, place damaged packages in a tight replacement package. Then collect with liquid-absorbing materials (e.g. sand, earth, universal binders, etc.) and place in labeled containers. Treat the collected material as waste. Clean the contaminated place and ventilate it well.

6.4. Reference to other sections

Personal protection equipment - see section 8 of the safety data sheet. Product waste management - see section 13 of the card.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Observe the general principles of safety and hygiene. Do not eat, drink or smoke while working. Avoid eye and skin contamination. Use personal protective equipment. Wash your hands before breaks and after finishing work. Provide sufficient ventilation. Do not inhale fumes. After opening the container, seal and store upright to avoid leakage. Keep unused containers tightly closed. Use as directed.



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7.2. Conditions for safe storage, including any incompatibilities

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

7.3. End use features

Do not apply, except in cases mentioned in subsection 1.2

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

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

* absorption through the skin can be just as dangerous as inhalation. Legal basis: Dz. Laws of 2018, n. 1286.

Recommended Monitoring Procedures

The procedures for monitoring the concentrations of hazardous components in the air and the procedures for controlling the cleanliness of the air in the workplace should be used - if available and justified in this position - in accordance with the relevant Polish or European standards, taking into account the conditions prevailing at the place of exposure and the appropriate measurement methodology adapted to the conditions. Job. The mode, type and frequency of tests and measurements must comply with the requirements of the Decree of the Minister of Health of February 2, 2011 (Journal of Laws 2011, No. 33, paragraph 166, as amended).

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

Exposure route	Pattern of exposure	DNEL (employees)
leather	long lasting, voluminous	343 mg/kg m.c./ day
inhalation		950 mg/m ³
inhalation	Short term, local	1900 mg/m ³
Exposure route	Pattern of exposure	DNEL (buyers)
esophagus	long lasting, voluminous	87 mg/kg m.c./ day
leather		206 mg/kg m.c./ day
inhalation		114 mg/m ³
inhalation	Short term, local	1900 mg/m ³



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

Exposure route	Pattern of exposure	DNEL (employees)
leather	long lasting, voluminous	888 mg/kg m.c./ day
inhalation		500 mg/m ³
Exposure route	Pattern of exposure	DNEL (buyers)
esophagus	long lasting, voluminous	26 mg/kg m.c./ day
leather		319 mg/kg m.c./ day
inhalation		89 mg/m ³

DNEL values for 2-butane [CAS 78-93-3]

Exposure route	Pattern of exposure	DNEL (employees)
leather	long lasting, voluminous	1161 mg/kg m.c./ day
inhalation		600 mg/m ³
Exposure route	Pattern of exposure	DNEL (buyers)
esophagus	long lasting, voluminous	31 mg/kg m.c./ day
leather		412 mg/kg m.c./ day
inhalation		106 mg/m ³

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

PNEC	Content
Fresh water	0,96 mg/l
sea water	0,79 mg/l
fresh water sediment	3,6 mg/kg dry matter
episodic flow	2,75 mg/l
Wastewater treatment plant	580 mg/l
Re-poisoning	720 g/kg пици

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

PNEC	Content
Fresh water	140,9 mg/l
sea water	140,9 mg/l
fresh water sediment	552 mg/kg dry matter
sea water sediment	552 mg/kg dry matter
The soil	28 mg/kg dry matter
episodic flow	140,9 mg/l
Wastewater treatment plant	2251 mg/l
Re-poisoning	160 g/kg food



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DNEL values for 2-butane [CAS 78-93-3]

PNEC	Content
Fresh water	55,8 mg/l
sea water	55,8 mg/l
fresh water sediment	284,74 mg/kg dry matter
sea water sediment	284,7 mg/kg dry matter
The soil	22,5 mg/kg dry matter
episodic flow	55,8 mg/l
Wastewater treatment plant	709 mg/l
Re-poisoning	1000 g/kg food

8.2 Defeat control Observe the general principles of safety and hygiene.

Do not eat, drink or smoke while working. Wash your hands thoroughly before breaks and after finishing work. Avoid eye and skin contamination. General and/or local ventilation must be provided at the workplace to keep the concentration of harmful substances below the established limit values. Remove contaminated clothing and wash before reuse. Eyewash stations should be installed at the workplace.

Hand and body protection

Use product-resistant protective gloves. Recommended glove material: butyl rubber, nitrile rubber, PVC, or others that provide an equivalent level of protection. In case of short-term contact, use protective gloves with performance level 2 or more (breakthrough time > 30 minutes). In case of prolonged contact use protective gloves with level 6 (breakthrough time > 480 minutes). Wear protective clothing and footwear. When using protective gloves in contact with chemical products, it should be remembered that these performance levels and the corresponding breakthrough times do not indicate the actual protection time at a given workplace, because many factors influence this protection, such as temperature, exposure to other substances, etc. It is recommended to replace the gloves immediately if there are signs of wear, damage or change in appearance (color, elasticity, shape). The manufacturer's instructions must be followed not only for the use of gloves, but also for cleaning, maintenance and storage. It is also important to remove gloves properly to avoid soiling your hands while doing so.

Eye protection

Use tight safety goggles. Respiratory protection If adequate ventilation is provided, this is not required. The personal protective equipment used must comply with the requirements of Regulation (EU) 2016/425. The employer is obliged to provide protection measures appropriate to the activity performed and meeting all quality requirements, including their maintenance and cleaning.

Environmental impact control

Avoid release to the environment, do not pour into drains. Potential emissions from ventilation systems and process equipment should be checked to determine if they comply with environmental regulations.

Section 9: Physical and chemical properties



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9.1. Information on basic physical and chemical properties

physical state/form: liquid color: colorless to pale yellow smell: characteristic odor threshold: no indicated pH value: 3.2-3.5 melting/freezing point: not specified initial boiling point: not specified flash point: not specified evaporation rate: not specified flammability (solid, gas): not applicable upper/lower explosive limit: not applicable steam pressure: not specified vapor density: not specified density: ok. 1.01 g/cm³ solubility dissolves in water Partition coefficient: n-octanol / water: not specified autoignition temperature: not specified the product is not self-igniting decomposition temperature: not specified explosive properties: not specified oxidizing properties: not specified viscosity: not specified

9.2. Other information

No additional test results.

Section 10: Stability and reactivity

10.1. Reactivity reactive product

Does not lend itself to dangerous polymerization. See also subsections 10.4-10.5.

10.2. Chemical stability

The product is stable when used and stored properly.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to Avoid

Avoid exposure to direct sunlight and heat sources.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

There are no hazardous decomposition products under recommended storage and working conditions.

SECTION 11: TOXICOLOGICAL INFORMATION



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11.1. Information on toxicological effects

Information on acute and/or delayed effects of exposure has been determined based on information from product classification and/or toxicological studies, and the knowledge and experience of the manufacturer. Component toxicity
Lactic acid L(+) [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, rat) 961 mg/kg poly(hydroxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(octyloxy)-(4-11 OE) [CAS 53563-70-5]

LD50 (oral, rat) Mixture toxicity Acute toxicity > 2000 mg/kg ATEmix (esophagus)* > 2000 mg/kg ATEmix (skin)* > 2000 mg/kg ATEmix (steam inhalation)* > 20 mg/l ATEmix (inhalation fog)* > 5 mg/l * The acute toxicity of the mixture (ATEmix) was calculated based on the appropriate conversion factor given in Table 3.1.2.

Annex I to the CLP Rules, as amended ..

Based on available data, the classification criteria are not met. Skin corrosion/irritation Causes skin irritation. 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 an ingredient that may cause an allergic skin reaction in sensitive people. Influence on the mutagenicity of germ cells.

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

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

Based on available data, the classification criteria are not met. Toxic effect on target organs - single exposure.

Based on available data, the classification criteria are not met. Toxic effect on target organs - repeated exposure.

Based on available data, the classification criteria are not met. Threat caused by aspiration.

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

SECTION 12: ECOLOGICAL INFORMATIO

12.1 Toxicity

Component toxicity

Lactic acid L(+) [CAS 79-33-4] Acute fish toxicity 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 fish toxicity 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 fish toxicity LC50 440-706 mg/l/96h/Pimephales promelas poly(hydroxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(octyloxy)-(4-11 OE) [CAS 53563-70-5]

Acute fish toxicity LC50 > 100 mg/l/96h (OECD 203)



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Acute toxicity to crustaceans EC50 67 mg/l/48h/Daphnia sp. (OECD 202)

Acute algae toxicity EC50 > 100 mg/l/72h (OECD 201) Post-reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC number 247-500-7] and 2-methyl-2H-isothiazol-3-one [nr WE 220-239-6] (3:1) [CAS 55965-84-9]

Acute fish toxicity LC50 0.22 mg/l/96h/Onchorhynchus mykiss (OECD 203) Chronic fish toxicity 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) Algae acute toxicity 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 algal toxicity NOEC 0.0012 mg/l/72h/Pseudokirchneriella subcapitata (OECD 201) Algae chronic toxicity NOEC 0.00064 mg/l/48h/Skeletonema costatum (DIN EN ISO 10253)

Acute bacterial toxicity EC50 7.92 mg/l/3h/osad czynny (OECD 209)

Acute bacterial toxicity EC20 0.97 mg/l/3h/osad czynny (OECD 209) Mixture toxicity

The product is not classified as dangerous for the environment.

12.2. Stability and prone to degradation

The surfactants contained in the product are biodegradable according to the criteria contained in the detergent regulation 648/2004/WE together with d. Component data Lactic acid L(+) [CAS 79-33-4] Biodegradation : 100% Biological oxygen demand: 0.45 mg O₂/mg for 5 days. Biological oxygen demand: 0.6 mg O₂/mg for 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 for 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% within 14 days. Biological oxygen demand: 1.19 g O₂/g for 5 days.

Chemical oxygen demand: 2.23 g O₂/g. butan-2-on [CAS 78-93-3] Biodegradation: 89% within 20 days. Biological oxygen demand: 2.03 g O₂/g for 5 days.

Chemical oxygen demand: 2.31 g O₂/g. post-reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [nr WE 220-239-6] (3:1) [CAS 55965-84-9] Biodegradation: > 60% (OECD 301D) Biodegradation: > 80% (OECD 303A) Biodegradation: 100% (OECD 302B) Half-life: 1.82-1.92 dni (OECD 308)

12.3. Bioaccumulative potential

Bioaccumulation is not expected. Component data. 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 post-reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC #247-500-7] and 2-methyl- 2H-isothiazol-3-one [nr WE 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 the soil. It dissolves in water and spreads in the aquatic environment. The mobility of the mixture components depends on their hydrophilic and hydrophobic properties, as well as on the abiotic and biotic conditions of the soil, including its structure, climatic conditions, season and soil organisms.

12.5. PBT and vPvB Property

Evaluation Results Substances contained in the mixture are not assessed as PBT and vPvB.

12.6. Other side effects



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The mixture is not classified as hazardous to the ozone layer. Consideration should be given to the possibility of other harmful effects of the individual components of the mixture on the environment (for example, the ability to disrupt the endocrine economy, the impact on global warming).

Section 13: Disposal considerations

13.1. Waste neutralization methods

Mixture recommendation:

Dispose of in accordance with current regulations. Store leftovers in original containers. Do not mix with other waste. Give the waste code at the place of their disposal. Recommendations for used packaging: disposal / recycling / disposal of packaging waste is carried out in accordance with current regulations.

Only completely empty packaging can be recycled. EU legal acts: Directives of the European Parliament and of the Council: 2008/98 / EC as amended as amended, 94/62/WE, as amended National legal acts: Journal of Laws Paragraph 2013 21 s later amended by Laws 2013, para. 888

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

Not applicable. The product is not classified as hazardous when transported by land or sea and aviation.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class (es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for users

Not applicable.

14.7. Bulk transport in accordance with Annex II to the MARPOL Convention and the IBC Code

Not applicable.

Section 15: Regulatory Information

15.1. Legislation on specific safety, health and environmental protection measures for a given substance or mixture

Law of 25 February 2011 on Chemical Substances and Their Mixtures (Journal of Laws 2011, no. 63, item 322, as amended).

Regulation of the Minister of Labor and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensity of factors harmful to health in the working environment (Journal of Laws 2018, item 1286).

Waste Act of 14 December 2012 (Journal of Laws 2013, paragraph 21, as amended). Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws 2013, item 888, as amended). Decree of the Minister of the Environment of December 9, 2014 On the waste catalog (Journal of Laws 2014, item 1923).

Decree of the Minister of Health of 2 February 2011 on testing and measuring factors harmful to health in the working environment (Journal of Laws 2011, no. 33, item 166, as amended).

European ADR Agreement on the International Carriage of Dangerous Goods by Road.

1907/2006/WE Regulation on the Registration, Evaluation, Authorization and Use of Restrictions on Chemicals (REACH), establishing the European Chemicals Agency, amending Directive

1999/45/WE and repealing Council Regulation (EEC) No. 793/93 and No. 1488 / 94 as well as Council Directive 76/769 / EWG and Commission Directive 91/155 / EEC, 93/67 / EWG,

93/105/WE and 2000/21/WE, as amended 1272/2008/EC Regulation of the European Parliament and of the Council of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, amended and repealed Directives 67/548/EWG and 1999/45/EC and amendments to Regulation (EC) No 1907/2006 together with d.

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



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2008/98/WE Directive of the European Parliament and of the Council of 19 November 2008 on waste and the repeal of certain directives, together with d.

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

2016/425/UE 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/WE Regulation of the European Parliament and of the Council of 31 March 2004 on detergents

15.2. Chemical safety assessment

Chemical safety assessment for the mixture is not required.

Section 16: Other information

Full text of H-statements from section 3 of the instruction

H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 May be fatal if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH071 Corrosive to the respiratory tract.

Explanation of abbreviations and abbreviations Acute Tox. Acute toxicity cat. 2

Acute Tox. 3 Acute toxicity cat. 3

Aquatic Acute 1 Acutely hazardous to the aquatic environment,

Category 1 Aquatic Chronic 1 Causes a chronic hazard to the aquatic environment kat. 1 Eyedam.

1 Serious eye damage cat. 1 Eye Irrit. 2 Causes eye irritation kat.

2 Flam. Liq. 2 Flammable liquid cat. 2

Met. Corr. 1 Substance or mixture corrosive to metals kat. 1 Skincorr.

1A Causes corrosive effects kat. 1A

Skincorr. 1B Causes corrosive effects kat. 1B Skincorr.

1C Causes corrosive effects kat. 1C

Skin Irrit. 2 Causes skin irritation kat. 2

Skin sens. 1A Causes skin sensitization kat. 1A

STOT SE 3 Toxic effect on target organs - single exposure kat.

NDS Maximum Permissible Concentration NDSch Maximum Permissible Concentration Instantaneous NDSP Maximum

Permissible Concentration Upper Limit DSB Allowable concentration in biological material PBT The substance is persistent, bioaccumulative and toxic.

vPvB Very persistent and very bioaccumulative

DNEL Derivative effect level

PNEC Predicted concentrations that do not cause changes in the environment NOEC

The highest concentration of a toxic substance at which no side effects of exposure are observed.

Education Before working with the product, the user must be familiar with the principles of health and safety in the handling of chemicals and, in particular, receive appropriate on-the-job training.

Links to key literature and data sources: The instructions have been developed on the basis of the material safety data sheets provided by the manufacturer, literature data, inter-editions, and taking into account the legal regulations in force at the moment.

Classification and procedures used to classify a mixture according to Regulation (WE) 1272/2008 [CLP] wraz z późn. zm.

Skin Irrit. 2 H315 calculation method Eyedam.

1 H318 Additional information



SAFETY INSTRUCTIONS CHROMOCLEAN

Calculation method

This instruction cancels and replaces all previous versions

The instruction has been developed on the basis of data provided by the manufacturers of the product components, national regulations in force at the time of preparation of the instruction, and knowledge.

The information contained in the Instructions should be considered only as an aid for the purposes of safe use, as well as transportation, distribution and storage procedures.

The instruction is not a product quality certificate.

The information contained in the Instructions applies only to the listed products and cannot be transferred to similar products.

The author is not responsible for the misuse of the information contained in the Instructions.