

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

Ludwik - ceramic stove tops cleaner

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

1.1 Product identifier: Ludwik - ceramic stove tops cleaner

Other means of identification:

Not relevant

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

Relevant uses (Consumer use): Cleaner

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

GRUPA INCO S.A. ul. Wspólna 25

00-519 Warszawa - Mazowieckie - Polska

Phone: +48 22 71 15 900 info.produkty@inco.pl

www.inco.pl

1.4 Emergency telephone number: +48 22 7115900 (7.30-15.30)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Not relevant

Precautionary statements:

P102: Keep out of reach of children.

Supplementary information:

 $\hbox{EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.}$

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification			
CAS:	107-98-2	1-methoxy-2-propand	ATP ATP01			
	203-539-1 603-064-00-3 01-2119457435-35- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	<u>1 - <3%</u>		
CAS:	5131-66-8	3-butoxypropan-2-ol	ATP CLP00			
	225-878-4 603-052-00-8 01-2119475527-28- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	! 1 - <3%		

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

	Identification	Chemical name/Classification			Concentration
CAS:	68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides ⁽¹⁾ Sel		Self-classified	
EC: Index: REACH:	500-220-1 Not relevant 01-2119488530-36- XXXX	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	€3>	1 - <3%
CAS:	2634-33-5	1,2-benzisothiazol-3(2H)-one ⁽¹⁾	ATP CLP00	
	220-120-9 613-088-00-6 01-2120761540-60- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. 2: H315 Skin Sens. 1: H317 - Danger		<0.036%

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	% (w/w) >=0,036: Skin Sens. 1 - H317

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

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SECTION 5: FIREFIGHTING MEASURES (continued)

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)



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SECTION 7: HANDLING AND STORAGE (continued)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
1-methoxy-2-propanol (1)	IOELV (8h)	100 ppm	375 mg/m ³
CAS: 107-98-2	IOELV (STEL)	150 ppm	568 mg/m ³

(1) Skin

DNEL (Workers):

		Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
1-methoxy-2-propanol	Oral	Not relevant	Not relevant	Not relevant	Not relevant	
CAS: 107-98-2	Dermal	Not relevant	Not relevant	183 mg/kg	Not relevant	
EC: 203-539-1	Inhalation	553,5 mg/m ³	553,5 mg/m ³	369 mg/m ³	Not relevant	
3-butoxypropan-2-ol	Oral	Not relevant	Not relevant	Not relevant	Not relevant	
CAS: 5131-66-8	Dermal	Not relevant	Not relevant	52 mg/kg	Not relevant	
EC: 225-878-4	Inhalation	Not relevant	Not relevant	147 mg/m ³	Not relevant	
D-Glucopyranose, oligomers, decyl octyl glycosides	Oral	Not relevant	Not relevant	Not relevant	Not relevant	
CAS: 68515-73-1	Dermal	Not relevant	Not relevant	595000 mg/kg	Not relevant	
EC: 500-220-1	Inhalation	Not relevant	Not relevant	420 mg/m ³	Not relevant	
1,2-benzisothiazol-3(2H)-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant	
CAS: 2634-33-5	Dermal	Not relevant	Not relevant	0,966 mg/kg	Not relevant	
EC: 220-120-9	Inhalation	Not relevant	Not relevant	6,81 mg/m ³	Not relevant	

DNEL (General population):

		Short exposure		Long 6	exposure
Identification		Systemic	Local	Systemic	Local
1-methoxy-2-propanol	Oral	Not relevant	Not relevant	33 mg/kg	Not relevant
CAS: 107-98-2	Dermal	Not relevant	Not relevant	78 mg/kg	Not relevant
EC: 203-539-1	Inhalation	Not relevant	Not relevant	43,9 mg/m ³	Not relevant
3-butoxypropan-2-ol	Oral	Not relevant	Not relevant	12,5 mg/kg	Not relevant
CAS: 5131-66-8	Dermal	Not relevant	Not relevant	22 mg/kg	Not relevant
EC: 225-878-4	Inhalation	Not relevant	Not relevant	43 mg/m ³	Not relevant
D-Glucopyranose, oligomers, decyl octyl glycosides	Oral	Not relevant	Not relevant	35,7 mg/kg	Not relevant
CAS: 68515-73-1	Dermal	Not relevant	Not relevant	357000 mg/kg	Not relevant
EC: 500-220-1	Inhalation	Not relevant	Not relevant	124 mg/m ³	Not relevant
1,2-benzisothiazol-3(2H)-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2634-33-5	Dermal	Not relevant	Not relevant	0,345 mg/kg	Not relevant
EC: 220-120-9	Inhalation	Not relevant	Not relevant	1,2 mg/m ³	Not relevant

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-methoxy-2-propanol	STP	100 mg/L	Fresh water	10 mg/L
CAS: 107-98-2	Soil	4,59 mg/kg	Marine water	1 mg/L
EC: 203-539-1	Intermittent	100 mg/L	Sediment (Fresh water)	52,3 mg/kg
	Oral	Not relevant	Sediment (Marine water)	5,2 mg/kg
3-butoxypropan-2-ol	STP	10 mg/L	Fresh water	0,525 mg/L
CAS: 5131-66-8	Soil	0,16 mg/kg	Marine water	0,052 mg/L
EC: 225-878-4	Intermittent	5,25 mg/L	Sediment (Fresh water)	2,36 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,236 mg/kg
D-Glucopyranose, oligomers, decyl octyl glycosides	STP	560 mg/L	Fresh water	0,176 mg/L
CAS: 68515-73-1	Soil	0,654 mg/kg	Marine water	0,018 mg/L
EC: 500-220-1	Intermittent	0,27 mg/L	Sediment (Fresh water)	1,516 mg/kg
	Oral	0,11111 g/kg	Sediment (Marine water)	0,152 mg/kg
1,2-benzisothiazol-3(2H)-one	STP	1,03 mg/L	Fresh water	0,00403 mg/L
CAS: 2634-33-5	Soil	3 mg/kg	Marine water	0,000403 mg/L
EC: 220-120-9	Intermittent	0,0011 mg/L	Sediment (Fresh water)	0,0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,00499 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	CATII	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CATII	EN ISO 20347:2022	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 4,08 % weight

V.O.C. density at 20 °C: 42,2 kg/m³ (42,2 g/L)

Average carbon number: 5,58

Average molecular weight: 111,61 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:

Appearance:

Fluid

Colour:

Colourless

Odour:

Citric

Odour threshold: Not relevant *

Volatility:

Boiling point at atmospheric pressure: 102 °C
Vapour pressure at 20 °C: 2336 Pa

Vapour pressure at 50 °C: 12307,61 Pa (12,31 kPa)

Evaporation rate at 20 °C: Not relevant *

Product description:

Density at 20 °C: 1035,6 kg/m³

Relative density at 20 °C: 1,036

Dynamic viscosity at 20 °C: Not relevant * Kinematic viscosity at 20 °C: Not relevant * Kinematic viscosity at 40 °C: Not relevant * Concentration: Not relevant * pH: 9,5 - 10,5 Vapour density at 20 °C: Not relevant * Partition coefficient n-octanol/water 20 °C: Not relevant * Solubility in water at 20 °C: Not relevant * Solubility properties: Highly water-soluble Not relevant * Decomposition temperature: Melting point/freezing point: Not relevant *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point: Non Flammable (>60 °C)

Flammability (solid, gas):

Autoignition temperature:

237 °C

Lower flammability limit: Not relevant *
Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:

Oxidising properties:

Corrosive to metals:

Heat of combustion:

Aerosols-total percentage (by mass) of flammable

Not relevant

Not relevant

Not relevant

Not relevant

Not relevant

components:

Other safety characteristics:

Surface tension at 20 °C:

Refraction index:

Not relevant *

Not relevant *

Not relevant *

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids		Water	Oxidising materials	Combustible materials	Others
	Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

Dangerous health implications:



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.

IARC: 2,2',2''-nitrilotriethanol (3); d-limonene (3)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

The skin and/or eye classification of this product was derived using bridging principles

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
3-butoxypropan-2-ol	LD50 oral	3771 mg/kg	Rat
CAS: 5131-66-8	LD50 dermal		
EC: 225-878-4	LC50 inhalation vapour		
1,2-benzisothiazol-3(2H)-one	LD50 oral	450 mg/kg	Rat
CAS: 2634-33-5	LD50 dermal		
EC: 220-120-9	LC50 inhalation dust		

11.2 Information on other hazards:

Endocrine disrupting properties



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
1-methoxy-2-propanol	LC50	20800 mg/L (96 h)	Pimephales promelas	Fish
CAS: 107-98-2	EC50	23300 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-539-1	EC50	1000 mg/L (168 h)	Selenastrum capricornutum	Algae
3-butoxypropan-2-ol	LC50	560 mg/L (96 h)	Poecilia reticulata	Fish
CAS: 5131-66-8	EC50	1436 mg/L (48 h)	Daphnia magna	Crustacean
EC: 225-878-4	EC50	Not relevant		
D-Glucopyranose, oligomers, decyl octyl glycosides	LC50	126 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 68515-73-1	EC50	151 mg/L (48 h)	Acartia tonsa	Crustacean
EC: 500-220-1	EC50	27 mg/L (72 h)	Scenedesmus subspicatus	Algae
1,2-benzisothiazol-3(2H)-one	LC50	2,18 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 2634-33-5	EC50	2,9 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-120-9	EC50	0,11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
D-Glucopyranose, oligomers, decyl octyl glycosides	NOEC	1,8 mg/L	Danio rerio	Fish
CAS: 68515-73-1 EC: 500-220-1	NOEC	2 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability		
1-methoxy-2-propanol	BOD5	Not relevant	Concentration	100 mg/L	
CAS: 107-98-2	COD	Not relevant	Period	28 days	
EC: 203-539-1	BOD5/COD	Not relevant	% Biodegradable	90 %	
3-butoxypropan-2-ol	BOD5	Not relevant	Concentration	100 mg/L	
CAS: 5131-66-8	COD	Not relevant	Period	28 days	
EC: 225-878-4	BOD5/COD	Not relevant	% Biodegradable	89 %	
D-Glucopyranose, oligomers, decyl octyl glycosides	BOD5	Not relevant	Concentration	Not relevant	
CAS: 68515-73-1	COD	Not relevant	Period	28 days	
EC: 500-220-1	BOD5/COD	Not relevant	% Biodegradable	100 %	
1,2-benzisothiazol-3(2H)-one	BOD5	Not relevant	Concentration	1 mg/L	
CAS: 2634-33-5	COD	Not relevant	Period	63 days	
EC: 220-120-9	BOD5/COD	Not relevant	% Biodegradable	85 %	

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioa	Bioaccumulation potential		
1-methoxy-2-propanol	BCF	3		
CAS: 107-98-2	Pow Log	-0.44		
EC: 203-539-1	Potential	Low		
3-butoxypropan-2-ol	BCF	1		
CAS: 5131-66-8	Pow Log			
EC: 225-878-4	Potential	Low		

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential		
1,2-benzisothiazol-3(2H)-one	BCF	7	
CAS: 2634-33-5	Pow Log	0.7	
EC: 220-120-9	Potential	Low	

12.4 Mobility in soil:

Identification	Absorpti	on/desorption	Volatility	
D-Glucopyranose, oligomers, decyl octyl glycosides	Koc	50	Henry	1,2E-8 Pa·m³/mol
CAS: 68515-73-1	Conclusion	Very High	Dry soil	Not relevant
EC: 500-220-1	Surface tension	Not relevant	Moist soil	Not relevant
1,2-benzisothiazol-3(2H)-one	Koc	9.33	Henry	Not relevant
CAS: 2634-33-5	Conclusion	Very High	Dry soil	Not relevant
EC: 220-120-9	Surface tension	Not relevant	Moist soil	Not relevant

Highly water-soluble

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Type of waste (Regulation (EU) No 1357/2014):

Not relevant

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1 UN number or ID number: Not relevant 14.2 UN proper shipping name: Not relevant 14.3 Transport hazard class(es): Not relevant Lahels: Not relevant 14.4 Packing group: Not relevant

14.5 Environmental hazards: Nο

14.6 Special precautions for user

Special regulations: Not relevant Tunnel restriction code: Not relevant Physico-Chemical properties: see section 9 Limited quantities: Not relevant

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

14.1 UN number or ID number: Not relevant 14.2 UN proper shipping name: Not relevant 14.3 Transport hazard class(es): Not relevant Lahels: Not relevant 14.4 Packing group: Not relevant No

14.5 Marine pollutant:

14.6 Special precautions for user

Special regulations: Not relevant

EmS Codes:

Physico-Chemical properties: see section 9 Limited quantities: Not relevant Segregation group: Not relevant 14.7 Maritime transport in bulk Not relevant

according to IMO instruments:

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:

14.1 UN number or ID number: Not relevant 14.2 UN proper shipping name: Not relevant 14.3 Transport hazard class(es): Not relevant Labels: Not relevant 14.4 Packing group: Not relevant No

14.5 Environmental hazards: 14.6 Special precautions for user

> Physico-Chemical properties: see section 9

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2benzisothiazol-3(2H)-one.



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SECTION 15: REGULATORY INFORMATION (continued)

- Article 95, REGULATION (EU) No 528/2012: 1,2-benzisothiazol-3(2H)-one (2634-33-5) PT: (2,6,9,11,12,13)
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation(EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Regulation (EC) No 648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradibility criteria stipulated in Regulation (EC) $n^0648/2004$ on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Not relevant

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:



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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed. Aquatic Acute 1: H400 - Very toxic to aquatic life. Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT SE 3: H336 - May cause drowsiness or dizziness.

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET
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