

MATERIAL SAFETY DATA SHEET

Pursuant to Rulebook on contents of Material Safety Data Sheet "Official Gazette of the Republic of Srpska number 104/13)
in line with Regulation (EC) no. 1907/2006

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Trade name:	Grundierungskonzentrat	BTL.C.49.03
Product code:	Production date: April 3, 2016	Version no: 03

SECTION 1. IDENTIFICATION OF SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING		
1.1.	Product identifier	
II	Trade name:	Podloga Koncentrat
	Chemical name:	Not applicable
	Synonyms:	Primer concentrate
	Catalogue number:	Not applicable
1.2.	Relevant identified uses of the substance or mixture and uses advised against	
	Application:	It is used for impregnation of façade and interior wall surfaces before applying dispersive, interior and façade coats, acrylic façade materials, powder façade materials, construction glues. For detailed information, see product data sheet/label.
	Applications not recommended:	All other applications not listed on label or product data sheet.
	Reasons for non-application:	Bad quality of used product
1.3.	Details of the supplier of the safety data sheet	
	Company name:	Colorit d.o.o.
	Address:	Blagoja Parovića 114b
	Telephone:	+387(0)51/388-830
	Fax:	+387(0)51/388-801
	e-mail address of the person liable for MSDS:	colorit@inecco.net
	Authorized person in RS:	Colorit d.o.o., Blagoja Parovića 114b, Banja Luka
1.4.	Emergency telephone number	
	Emergency telephone number:	121 (before 112 gets activated)
	Telephone number for medical information:	124 (0-24h)
	Other information:	+381 11 360 84 40 (Poison Control Center Military Medical Academy Belgrade, Serbia)
SECTION 2. HAZARDS IDENTIFICATION		
2.1.	Classification of the substance or mixture	
2.1.1.	CLP/GHS system classification	
	Hazard class and category mark:	Warning on danger (H, EUH)*:
	Product was not classified hazardous	EUH208
2.1.2.	DSD/DPD system classification	

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Danger sign:	Risk sign (R)*:
Product was not classified hazardous	Product was not classified hazardous
2.1.3. Additional information	
Not applicable	

*Full text R, H and EUH marks in Section 16.

2.2. Label elements	
Labeling in line with:	CLP/GHS system <input checked="" type="checkbox"/> DSD/DPD system <input type="checkbox"/>
Pictogram / hazard symbol:	Product was not classified hazardous
Signal word / danger sign and written warning:	Product was not classified hazardous
Hazard statements (H) / Risk sign (R):	Product was not classified hazardous
Precautionary statements (P) / Safety sign (S):	P102 – Keep out of reach of children P280 - Wear protective gloves/protective clothing/eye protection/face protection P501 – Dispose of contents /container in accordance with local/national/regional/international regulations
Supplemental hazard information:	EUH208: Contains (Mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (EC: mixture; CAS: 55965-84-9). May produce an allergic reaction.

2.3. Other hazards	
Not applicable	

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.. Information on mixture ingredients					
Name	CAS number / EC number / Index number	REACH registration number	mass or volume % or range	DSD system classification*	CLP/GHS system classification*
Water	7732-18-5/231-791-2/ Not applicable	Excluded	50-60	Not classified hazardous	Not classified hazardous
Mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4)	55965-84-9/ mixture / 613-167-00-5	Not applicable	0.00075	T; R23/24/25 C; R34 Xi; R43 N; R50/53	Acute tox.3, H301 Acute tox.3, H311 Skin corr.1B, H314 Skin sens. 1, H317 Acute

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Trade name:	Grundierungskonzentrat	BTL.C.49.03
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					tox.3,H331 Aquatic acute 1, H400 Aquatic chronic 1,H410 M-factor 10
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* Full text R, H and EUH marks in Section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General:	Not applicable
After inhalation:	Not applicable
After skin contact:	Remove contaminated clothes. Rinse exposed skin parts with soap and water. If irritation persists, consult a doctor.
After eye contact:	Remove glasses or contact lenses. Rinse eye with water or solution for washing eyes thoroughly for at least 15 minutes and consult a doctor.
After swallowing:	Not applicable
Personal protection of person providing first aid:	No special personal protection needed for person administering first aid.

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

After inhalation:	Not applicable
After skin contacts:	Irritation.
After ye contact:	Irritation.
After swallowing:	Not applicable

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

Not applicable

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents:	Carbon-dioxide, extinguishing powder, foam or water spray. Use agents depending on surrounding subjects caught by fire.
Inappropriate extinguishing agents:	Not applicable

5.2. Special hazards arising from substances or mixtures

Dangerous combustion products:	Not known
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5.3. Advice for firefighters

Use breathing mask in case of unknown combustion products occurrence.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1.	For people not trained for the accident:	
	Protective equipment:	Wear personal protective equipment (mask, goggles, impermeable protective gloves, work equipment).
	Accident prevention procedures:	Follow instructions in Section 7.
	Emergency procedures:	Not applicable
6.1.2.	For people participating in accident response:	
	Not applicable	
6.2.	Environmental precautions	
	Product is not classified as environmental hazard.	
6.3.	Methods and materials for containment and cleaning up	
6.3.1.	For confinement:	Land, Diatomaceous earth, sawdust.
6.3.2.	For cleaning up:	Absorb spilled material as soon as possible.
6.3.3.	Other information:	Storage in appropriate disposal containers, defined procedure and to approved disposal location.
6.4.	Reference to other sections	
	Contaminated material should be disposed pursuant to Section 13. Use personal protection equipment pursuant to Section 8.	
SECTION 7. HANDLING AND STORAGE		
7.1.	Precautions for safe handling	
7.1.1.	Protective measures	
	Recommendations for safe handling:	Wear adequate protective equipment (Section 6.1). Avoid contact with skin and eyes. Do not swallow. Do not smoke in the vicinity of the product.
	Fire prevention measures:	Not applicable
	Aerosol and dust formation preventive measures:	Not applicable
	Incompatible materials handling:	Not applicable
	Environment protective measures:	Not applicable
7.1.2.	General hygienic measures advice:	
	Wash hands regularly. Adequate ventilation at the workplace.	
7.2.	Conditions for safe storage, including any incompatibilities	
	Technical measures and storage conditions:	Keep in tightly sealed packaging, in cold and ventilated room.
	Packaging materials:	PP (polypropylene)
	Requests for storage rooms and containers:	Not applicable

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Storage class:	Not applicable
Other information on storage conditions:	Dry room. Recommended temperature 5-25°C. Do not allow to freeze.

7.3.	Specific end use(s)	
	Recommendations:	Not applicable
	Special solutions for industrial sector:	Not applicable

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1.	Control parameters:
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Substance	CAS number	Exposure limiting value (ELV/KELV)		Biological limiting values
		ppm	mg/m ³	
No information available for substance in Section 3.	Not applicable	Not applicable	Not applicable	Not applicable

Substance:	No information available for substance in Section 3.
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EC no.:	Not applicable	CAS no.:	Not applicable	Not applicable
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DNEL

Worker				
Exposure way:	Acute local effects	Acute systematic effects	Chronic local effects	Chronic systematic effects
Oral	Not applicable	Not applicable	Not applicable	Not applicable
Inhalation	Not applicable	Not applicable	Not applicable	Not applicable
Skin	Not applicable	Not applicable	Not applicable	Not applicable

Key physical parameters: melting point, flammability, corrosion:	Not applicable
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User

Exposure way:	Acute local effects	Acute systematic effects	Chronic local effects	Chronic systematic effects
Oral	Not applicable	Not applicable	Not applicable	Not applicable
Inhalation	Not applicable	Not applicable	Not applicable	Not applicable
Skin	Not applicable	Not applicable	Not applicable	Not applicable

PNEC

Environment segment	PNEC
Fresh water	Not applicable
Fresh water sediments	Not applicable
Sea water	Not applicable
Sea sediments	Not applicable

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Food chain	Not applicable
Microorganisms in waste water treatment	Not applicable
Land (agricultural)	Not applicable
Air	Not applicable

8.2. Exposure controls

8.2.1. Appropriate technical control

	Exposure control measures in identified application:	Do not drink, eat or smoke while working with product.
	Structural measures for exposure prevention:	Not applicable
	Organizational measures for exposure prevention:	Not applicable
	Technical measures for exposure prevention:	Not applicable

8.2.2. Personal protective equipment

8.2.2.1	Eyes and face protection:	Use protective goggles.
8.2.2.2	Skin protection:	
	Hands protection:	Use protective gloves.
	Protection of other body parts:	Not applicable
8.2.2.3	Protection of breathing parts:	Not applicable
8.2.2.4	Protection from thermal hazards:	Not applicable

8.2.3. Environment exposure control

	Preventive measures for substance/mixture exposure:	Product is not classified as environmental hazard.
	Exposure control measures in identified application:	
	Structural measures for exposure prevention:	
	Organizational measures for exposure prevention:	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

	Value	Method
Form:	Fluid	Not applicable

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Color:	White	Not applicable
Odor:	Characteristic	Not applicable
Odor threshold:	Not applicable	Not applicable
pH:	4.5	BDS EN ISO 787-9:1999
Melting point/Freezing point:	Not applicable	Not applicable
Ignition boiling point and boiling range:	Not applicable	Not applicable
Ignition point:	Not applicable	Not applicable
Evaporation rate:	Not applicable	Not applicable Not applicable
Flammability (solid, gas):	Not applicable	Not applicable Not applicable
Upper/lower flammability or explosion limit:	Not applicable	Not applicable
Vapor pressure:	Not applicable	Not applicable
Vapor density:	Not applicable	Not applicable
Relative density:	1.02 g/cm ³	BDS EN 2811-1:2011
Pouring density:	Not applicable	Not applicable
Solubility:	Not applicable	Not applicable
Partition coefficient: n-octanol /water (log Pow):	Not applicable	Not applicable
Self-ignition temperature:	Not applicable	Not applicable
Decomposition temperature:	Not applicable	Not applicable
Viscosity:	17.5 mPa.s	BDS EN ISO 2555:2003
Explosion features:	Not applicable	Not applicable
Oxidizing features:	Not applicable	Not applicable

9.2.	Other information	
II	Contents of non-volatile substances:	25.23 % BDS EN ISO 3251:2008
	Water absorption:	0.08 kg/m ² .h ^{0.5} BDS EN 1062-3:2008

SECTION 10. STABILITY AND REACTIVITY		
10.1.	Reactivity:	No information available.
10.2.	Chemical stability:	Stabile under recommended storage conditions.
10.3.	Possibility of hazardous reactions:	Not known
10.4.	Conditions to avoid:	Temperatures under +5 and above 25°C.
10.5.	Incompatible materials:	No information available.
10.6.	Hazardous decomposition	No information available.

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products:						
SECTION 11. TOXICOLOGICAL INFORMATION						
11.1. Information on toxicological effects						
Acute toxicity:* For mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one						
Exposure way	Method	Organism	Dose LD ₅₀ /LC ₅₀	Exposure time	Result	
Swallowing:	Not applicable	Rat	457 mg/kg	Not applicable	Not applicable	
Skin contact:	Not applicable	Hare	660 mg/kg	Not applicable		
Inhaling:	Not applicable	Rat	2,36 mg/l	4 h		
Irritation and corrosion						
	Exposure time	Organism	Evaluation	Method	Note	
Skin irritation:	Not applicable	rat	Not applicable	Not applicable	Irritation	
Eye irritation:	Not applicable	rat	Not applicable	Not applicable		
Irritation of respiratory system		Not applicable				
Sensitization						
Inhalation:	No information available.					
Skin contact:	Possible allergic reactions.					
CMR effects (carcinogenic, mutagenic, reproductive toxicity)						
Carcinogenic:		No information available.				
Mutagenic <i>in-vitro</i> :		No information available.				
Genotoxic:		No information available.				
Mutagenic <i>in-vivo</i> :		No information available.				
Mutagenic effect on sex cells:		No information available.				
Reproductive organs toxicity:		No information available.				
Toxicity in repeated dose (sub-acute, sub-chronic, chronic)						
	Dose	Exposure time	Organism	Method	Evaluation	Note
Sub-acute to mouth	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	No information available
Sub-acute on skin	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Sub-acute inhalation	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

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Sub-chronic to mouth	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Sub-chronic on skin	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Sub-chronic inhalation	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Chronic to mouth	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Chronic on skin	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Chronic inhalation	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Specific toxicity for organ target – single exposure (STOT SE):

	Specific effects	Exposed organ	Note
Swallowing:	Not applicable	Not applicable	No information available
Skin contact:	Not applicable	Not applicable	
Inhalation:	Not applicable	Not applicable	

Specific toxicity for organ target – repeated exposure (STOT RE):

	Specific effects	Exposed organ	Note
Sub-acute to mouth	Not applicable	Not applicable	No information available
Sub-acute on skin	Not applicable	Not applicable	
Sub-acute inhalation	Not applicable	Not applicable	
Sub-chronic to mouth	Not applicable	Not applicable	
Sub-chronic on skin	Not applicable	Not applicable	
Sub-chronic inhalation	Not applicable	Not applicable	
Chronic to mouth	Not applicable	Not applicable	
Chronic on skin	Not applicable	Not applicable	
Chronic inhalation	Not applicable	Not applicable	

Aspiration hazards: Not applicable

Probable exposure ways: Not applicable

Symptoms referring to physical, chemical and toxic features

Swallowing:	No information available
Skin contact:	
Inhalation:	
Eye contact:	

Delayed current effects, as well as chronic effects due to: Not applicable

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short and extended exposure:	
Interaction effects:	Not applicable
Lack of certain information:	Not applicable
Information on mixture in the reference to its ingredients information:	Not applicable
Other information:	Not applicable

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity * Mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Oncorhynchus Mykiss	Not applicable	0.19 mg/l	Not applicable
Crabs (Daphnia)	EC ₅₀	48 hours	Daphia Magna	Not applicable	0.16 mg/l	
Algae/water plants	IC ₅₀	72 hours	Scendesmus Capricornutum	Not applicable	0.027 mg/l	
Other organisms	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Chronic toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Not applicable	Not applicable	Not applicable	Not applicable
Crabs (Daphnia)	EC ₅₀	48 hours	Not applicable	Not applicable	Not applicable	
Algae/water plants	IC ₅₀	72 hours	Not applicable	Not applicable	Not applicable	
Other organisms	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

12.2. Persistence and degradability

Abiotic degradability				
	Half-degradability time	Method	Evaluation	Note
Sea water	Not applicable	Not applicable	Not applicable	Not applicable
Fresh water	Not applicable	Not applicable	Not applicable	Not applicable
Air	Not applicable	Not applicable	Not applicable	Not applicable
Soil	Not applicable	Not applicable	Not applicable	Not applicable
Physical and photo-chemical elimination				
Not applicable				

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Biodegradability						
% degradation	Time (days)	Method	Evaluation	Note		
Not applicable	Not applicable	Not applicable	Not applicable	No information available		
12.3. Bioaccumulative potential: for mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one						
Partition coefficient: n-octanol/water (log Pow)						
Value	Concentration	pH	°C	Method	Evaluation	Note
-0.486	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Bioconcentration factor (BCF)						
Value	Organism	Method	Evaluation	Note		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Chronic eco-toxicity						
Value	Dose	Exposure time	Organism	Method	Evaluation	Note
Chronic toxicity in fish	LC ₅₀	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Chronic toxicity in crabs (Daphnia)	EC ₅₀	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
12.4. Mobility in soil						
Known or anticipated partition in environment:						
No information available						
Surface pressure:						
Value	°C	Concentration	Method	Note		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Adsorption/desorption						
Transport	A/D coefficient	Henry's constant	log Pow	Evaporation	Method	Note
soil-water	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Water-air	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Soil-air	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
12.5. Results of PBT and vPvB assessment						
Not applicable						
12.6. Other adverse effects						

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	Not applicable
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SECTION 13. DISPOSAL CONSIDERATIONS

13.1.	Waste treatment methods
13.1.1.	Disposal of unused chemical/contaminated packaging: Disposal should be in line with official local and national regulations. Contaminated packaging should be delivered to person authorized for waste management.
13.1.2.	Waste labeling according to waste catalogue: 08 01 99 Waste not specified otherwise 15 01 02 plastic packaging
13.1.3.	Waste treatment forms: Not applicable
13.1.4.	Possibility of disposal to sewage: Not applicable
13.1.5.	Other recommendations for disposal: Not applicable
13.1.6.	Regulations for waste management: Law on waste management ("Official Gazette of the Republic of Srpska", number 111/13 and 106/15), Rulebook on waste categories, tests and classification ("Official Gazette of the Republic of Srpska", no. 19/15).

SECTION 14. TRANSPORT INFORMATION

Road transport (ADR)	
UN number:	Goods not hazardous based on this description
UN proper shipping name:	Not applicable
Transport hazard class:	Not applicable
Packaging group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable
Railway transport (RID)	
UN number:	Goods not hazardous based on this description
UN proper shipping name:	Not applicable
Transport hazard class:	Not applicable
Packaging group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable
Inland waterways transport (ADN)	
UN number:	Goods not hazardous based on this description
UN proper shipping name:	Not applicable

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Transport hazard class:	Not applicable
Packaging group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable

Seaways transport (IMDG)

UN number:	Goods not hazardous based on this description
UN proper shipping name:	Not applicable
Transport hazard class:	Not applicable
Packaging group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable
Transport in loose state (MARPOL73/78 and IBC code):	Not applicable

Airways transport (ICAO-TI/IATA-DGR)

UN number:	Goods not hazardous based on this description
UN proper shipping name:	Not applicable
Transport hazard class:	Not applicable
Packaging group:	Not applicable
Special precautions for user:	Not applicable

Additional information: Not applicable

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations

Applicable regulations in the Republic of Srpska:	Law on chemicals (RS Off. Gaz. no. 25/09), Rulebook on classification, packaging and labeling of chemicals and certain products (RS Off. Gaz. no.50/10), Rulebook on contents of the Material Safety Data Sheet (RS Off. Gaz. no. 104/13), Law on waste management (RS Off. Gaz. no. 111/13 and 106/15), Rulebook on waste categories, tests and classification (RS Off. Gaz. no. 19/15).
Authorization and/or limitations in application	
Authorizations:	Not applicable
Limitations:	Not applicable
Substance causing concern:	Product does not contain substances causing concern.
Other applicable regulations	Not applicable
Designation of product sub-category (paints and varnishes):	A(h)

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Information on emissions of volatile organic compounds (VOC):	VOC: A(h), 30g/l; max. 30g/l
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15.2. Chemical safety assessment	Chemical safety assessment not performed.
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SECTION 16. OTHER INFORMATION

Changes report:	Changes in comparison to previous version.
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Abbreviations and acronyms:	Not applicable
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Basic literature and information sources:	Material Safety Data Sheet of raw materials, European Chemicals Agency, Report on product testing in certified laboratory
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Classification and procedures used for classification of mixture according to CLP/GHS system

Classification according to CLP/GHS system	Classification procedure
Product was not classified hazardous	Classification procedure pursuant to procedures described in the Rulebook on classification, packaging and labeling of chemicals and certain products (RS Off. Gaz. no.50/10)

Relevant R, H, S and P signs (number and full text)

H	301	Toxic if swallowed.
H	311	Toxic in contact with skin.
H	314	Causes severe skin burns and eye damage.
H	317	May cause an allergic skin reaction.
H	331	Toxic if inhaled.
H	400	Very toxic to aquatic life.
H	410	Very toxic to aquatic life with long lasting effects.
R	23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R	34	Causes burns.
R	43	May cause sensitization by skin contact.
R	50/53	Very toxic to aquatic organisms, may cause long lasting adverse effects in the aquatic environment.
P	102	Keep out of reach of children.
P	280	Wear protective gloves/protective clothing/eye protection/face protection
P	501	Dispose of contents /container in accordance with local/ national/ regional/ international regulations
EUH	208	Contains Mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (EC: mixture; CAS: 55965-84-9). May produce an allergic reaction.

Advice for training:	Not applicable
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Additional information:	Information provided in this MSDS is a result of our best current knowledge. This information should serve as guidance in application, use, storage, transport and disposal hence should not be considered as quality guarantee. Information refers to
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		this product only and could not be used in combination with other materials and processes unless otherwise specified in the text. It is product user's responsibility to obey local legislative.
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