

## 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:	UNIFAS SILIKAT			BTL.C.16.03
Product code:	Production date:	22 March 2017	Version no:	03

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/ UNDERTAKING	
1.1.	Product identifier
	Trade name: Unifas Silikat
	Chemical name: Not applicable
II	Synonyms: Silicate
	Catalogue number: Not applicable
1.2.	Relevant identified uses of the substance or mixture and uses advised against
	Application: It is used for painting and surface protection of facades on residential, industrial, sports and other buildings. For more information see product data sheet/label.
	Applications not recommended: All other applications not listed on label or product data sheet.
	Reasons for non-application: Poor quality of the product in terms of workability, covering power, nuance etc.
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)51/388-840
	e-mail address of the person liable for MSDS: <a href="mailto:colorit@inecco.net">colorit@inecco.net</a>
	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 Centre Military Medical Academy Belgrade, Serbia)
II SECTION 2. HAZARDS IDENTIFICATION	
2.1.	Classification of the substance or mixture
2.1.1.	CLP/GHS system classification
	Hazard class and category mark: Product not classified as hazardous.
	Warning on danger (H, EUH)*: EUH208
2.1.2.	Additional information
	Not applicable
*Full text H and EUH marks in Section 16	
2.2.	Label elements
	Pictogram/hazard symbol: Product not classified as hazardous.

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Signal word/danger sign and written warning:	Product not classified as hazardous.
Hazard statements (H):	Product not classified as hazardous.
Precautionary statements (P):	P102 – Keep out of reach of children P103- Read label before use 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 of 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (EC: mixture; CAS: 55965-84-9). May cause allergic reaction.

2.3.	Other hazards
	Not applicable

### II 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	CLP/GHS system classification*
Calcium carbonate	471-34-1/ 207-439-9/ Not applicable	Excluded	50-60	Not classified as hazardous
Mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4)	55965-84-9/ Not applicable/ 613-167-00-5	Not applicable	<0.0008	Acute toxicity 3, H301 Acute toxicity 3, H311 Skin corrosion 1B, H314 Skin sensitization 1, H317 Acute toxicity 3, H331 Aquatic acute 1, H400 Aquatic chronic 1, H410 OM-factor 10

\*Full text H and EUH marks in Section 16.

### SECTION 4. FIRST AID MEASURES

4.1.	Description of first aid measures	
	General:	Not applicable
	After inhalation:	Remove the person to fresh air. Keep the affected person warm and at rest until the symptoms disappear. In case of difficulty breathing ask for medical help.
	After skin contact:	Remove contaminated clothing. Rinse contaminated skin parts with soap and water. If irritation persists, seek medical advice.
	After eye contact:	Remove eyeglasses or contact lenses. Rinse eyes thoroughly with water

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		or eye rinsing solution, for at least 15 minutes. If irritation persists, seek medical advice.
	After swallowing:	Rinse mouth cavity with water. Do not induce vomiting. In case of ingestion of large amount seek medical advice.
	Personal protection of person providing first aid:	No special personal protection is required for the person providing first aid.
4.2.	<b>Most important symptoms and effects, both acute and delayed</b>	
	After inhalation:	Not applicable.
	After skin contacts:	Irritation
	After eye contact:	Irritation
	After swallowing:	Not applicable.
4.3.	<b>Indication of any immediate medical attention and special treatment needed</b>	
	Not applicable.	
<b>SECTION 5. FIREFIGHTING MEASURES</b>		
5.1.	<b>Extinguishing media</b>	
	Suitable extinguishing agents:	Carbon dioxide, dry powder, foam or water spray. Use extinguishing agent depending on the surrounding objects caught by fire.
	Inappropriate extinguishing agents:	Not applicable
5.2.	<b>Special hazards arising from the substance or mixture</b>	
	Dangerous combustion products:	Not known
5.3.	<b>Advice for fire-fighters</b>	
	Use breathing mask in case of appearance of unknown products of combustion.	
<b>SECTION 6. ACCIDENTAL RELEASE MEASURES</b>		
6.1.	<b>Personal precautions, protective equipment and emergency procedures</b>	
6.1.1.	For people not trained for the accident:	
	Protective equipment:	Respiratory protective devices – filtering half masks for protection against particles, personal eye protection, impermeable protective gloves, work clothing
	Accident prevention procedures:	Follow instructions from section 7.
	Emergency procedures:	Not applicable.
6.1.2.	For people participating in accident response:	
	Not applicable.	
6.2.	<b>Environmental precautions</b>	
	Product is not classified as environmentally hazardous.	
6.3.	<b>Methods and materials for containment and cleaning up</b>	
6.3.1.	For confinement:	Clean or remove by vacuum.
6.3.2.	For cleaning up:	Collect the spilled material with inert absorbent material (for example clay, diatomaceous earth).

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6.3.3.	Other information:	Store waste in suitable containers for disposal, using prescribed procedure and at an approved disposal site.
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6.4.	Reference to other sections	Contaminated material should be disposed pursuant to Section 13. Use personal protection equipment pursuant to Section 8.
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### SECTION 7. HANDLING AND STORAGE

7.1.	Precautions for safe handling	
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7.1.1.	Protective measures	
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	Recommendations for safe handling:	Wear adequate protective equipment (sub-section 6.1). Avoid skin and eyes contact. Do not swallow. Do not smoke in the vicinity and avoid open flame.
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	Fire prevention measures:	Not applicable
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	Aerosol and dust formation preventive measures:	Not applicable
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	Incompatible materials handling:	Not applicable
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	Environment protective measures:	Not applicable
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7.1.2.	General hygienic measures advice:	
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	Regular hand washing routine. Do not smoke in the vicinity and avoid open flame. Maintain adequate ventilation in work space.
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7.2.	Conditions for safe storage, including any incompatibilities	
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	Technical measures and storage conditions:	Keep in well closed and original containers, far from sources of heat and direct solar light. Protect against extreme temperatures.
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	Packaging materials:	PP (polypropylene)
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	Requests for storage rooms and containers:	Not applicable
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	Storage class:	Not applicable
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	Other information on storage conditions:	Dry room. Recommended temperature 5-25°C. Do not allow to freeze.
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7.3.	Specific end use(s)	
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	Recommendations:	Not applicable
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	Special solutions for industrial sector:	Not applicable
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### 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 <sup>3</sup>	
No information available for substances from Section 3.	Not applicable	Not applicable	Not applicable	Not applicable

Substance:	No information available for substances from Section 3.
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EU No.:	Not applicable	CAS number:	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

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

### 8.2. Exposure control

8.2.1.	Appropriate technical control	
	Exposure control measures in identified application:	Do not eat, drink and smoke during work with the product.
	Structural measures for exposure prevention:	Not applicable
	Organizational measures for exposure prevention:	Not applicable
	Technical measures for exposure	Not applicable

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	prevention:	
8.2.2.	Personal protective equipment	
8.2.2.1	Eyes and face protection:	Wear 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 environmentally hazardous.
	Structural measures for exposure prevention:	
	Organizational measures for exposure prevention:	
	Technical measures for exposure prevention:	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties			
		Value	Method
Form:		Liquid	Not applicable
Colour:		White	Not applicable
Odour:		Characteristic	Not applicable
Odour threshold:		Not applicable	Not applicable
pH:		7-9.5	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
Flammability (solid, gas):		Not applicable	Not applicable
Upper/lower flammability or explosion limit:		Not applicable	Not applicable
Vapour pressure:		Not applicable	Not applicable
Vapour density:		Not applicable	Not applicable
Relative density:		1.5-1.9 g/cm <sup>3</sup>	BDS EN ISO 2811-1:2011
Pouring density:		Not applicable	Not applicable
Solubility:		Not applicable	Not applicable

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Partition coefficient: n-octanol /water (log Pow):	Not applicable	Not applicable
Self-ignition temperature:	Not applicable	Not applicable
Decomposition temperature:	Not applicable	Not applicable
Explosion features:	Not applicable	Not applicable
Oxidizing features:	Not applicable	Not applicable

<b>9.2. Other information</b>		
Adhesion:	0.68 N/mm <sup>2</sup>	BDS EN ISO 4624:2004
Drying:	3 h	BDS EN ISO 9117-6:2012

### SECTION 10. STABILITY AND REACTIVITY

10.1.	Reactivity:	No information available.
10.2.	Chemical stability:	Stable under recommended storage conditions.
10.3.	Possibility of hazardous reactions:	Not known.
10.4.	Conditions to avoid:	Temperatures under +5°C and above +25°C.
10.5.	Incompatible materials:	No information available.
10.6.	Hazardous disintegration products:	No information available.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity:

Exposure way	Method	Organism	Dose LD50/LC50	Exposure time	Result
Swallowing:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Skin contact:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Inhalation:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

##### Irritation and corrosion

	Exposure time	Organism	Evaluation	Method	Note
Skin irritation:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Eye irritation:	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Irritation of respiratory system	Not applicable
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Sensitization	
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Inhalation:	No information available					
Skin contact:	Allergic reaction may occur. (relates to the mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one					
CMR effects (carcinogenetic, mutagenic, reproductive toxicity)						
Carcinogenetic:	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	
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		Not applicable	
Skin contact:	Not applicable		Not applicable		Not applicable	
Inhalation:	Not applicable		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			



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Sub-acute on skin	Not applicable	Not applicable	No information available
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
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Probable exposure ways:	Not applicable
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Symptoms referring to physical, chemical and toxic features
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Swallowing:	No information available
Skin contact:	
Inhalation:	
Eye contact:	

Delayed current effects, as well as chronic effects due to short and extended exposure:	Not applicable
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Interaction effects:	Not applicable
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Lack of certain information:	Not applicable
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Information on mixture in the reference to its ingredients information:	Not applicable
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Other information:	Not applicable
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### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity: for mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	Oncorhynchus Mykiss	Not applicable	0.19 mg/l	Not applicable
Crabs (Daphnia)	EC <sub>50</sub>	48 hours	Daphia Magna	Not applicable	0.16 mg/l	Not applicable
Algae/water plants	IC <sub>50</sub>	72 hours	Scendesmus Capricornutum	Not applicable	0.027 mg/l	Not applicable
Other organisms	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Chronic toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	Not applicable	Not applicable	Not applicable	No information available
Crabs (Daphnia)	EC <sub>50</sub>	48 hours	Not applicable	Not applicable	Not applicable	
Algae/water plants	IC <sub>50</sub>	72 hours	Not applicable	Not applicable	Not applicable	

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Other organisms	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
<b>12.2. Persistence and degradability</b>						
Abiotic degradability						
	Half-degradability time	Method	Evaluation	Note		
Sea water	Not applicable	Not applicable	Not applicable	No information available		
Fresh water	Not applicable	Not applicable	Not applicable			
Air	Not applicable	Not applicable	Not applicable			
Soil	Not applicable	Not applicable	Not applicable			
Physical and photo-chemical elimination						
Not applicable						
Biodegradability						
% degradation	Time (days)	Method	Evaluation	Note		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
<b>12.3. Bioaccumulative potential: for mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one</b>						
Partition coefficient: n-octanol/water (log Pow)						
Value	Concentration	pH	°C	Method	Evaluation	Note
Not applicable	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						
-0.486	Dose	Exposure time	Organism	Method	Evaluation	Note
Chronic toxicity in fish	LC <sub>50</sub>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Chronic toxicity in crabs (Daphnia)	EC <sub>50</sub>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>12.4. Mobility in soil</b>						
Known or anticipated partition in environment:						
No information available						

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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
Water-air	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Soil-air	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				
	Product is not environmentally hazardous.				
SECTION 13. DISPOSAL CONSIDERATIONS					
13.1.	Waste treatment methods				
13.1.1.	Disposal of unused chemical/contaminated packaging:				
	Disposal must be in line with official local, national, regional and international regulations. Contaminated packaging is to be handed over to the authorized person for waste disposal.				
13.1.2.	Waste labelling according to waste catalogue:				
	08 01 12 Waste paint and varnish other than those mentioned in 08 01 11. 15 01 02 plastic packaging				
13.1.3.	Waste treatment forms:				
	Not applicable				
13.1.4.	Possibility of disposal to sewage:				
	Do not discharge into sewage system, drains, waterways and similar.				
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, testing and classification ("Official Gazette of 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			

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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
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/legislation specific for the substance or mixture
Applicable regulations in the Republic of Srpska:	Law on chemicals (RS Off. Gaz. no. 25/09), Rulebook on classification, packaging and labelling 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, testing 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

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Product subcategory mark (paints and vanishes)	A (c)
Information on emissions of volatile organic compounds (VOC):	VOC: A (c), 40 g/l; max. 40 g/l
15.2. Chemical safety assessment	Not applicable

### SECTION 16. OTHER INFORMATION

Changes report:	Changes in comparison with the previous version.
Abbreviations and acronyms:	Not applicable
Basic literature and information sources:	Material Safety Data Sheet of raw materials, European Chemicals Agency,

### Classification and procedures used for classification of mixture according to CLP/GHS system

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

### || Relevant H 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 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.
P	102	Keep out of reach of children.
P	103	Read label before use
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 of 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (EC: mixture; CAS: 55965-84-9). May cause allergic reaction.

Advice for training:	Not applicable
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Additional information:	<p>Information provided in this MSDS is a result of our best current knowledge. This information should serve as guidance in manipulation, use, storage, transport and disposal, hence it should not be considered as quality guarantee. Information refers to this product only and may not be used for combination with other materials and processes unless otherwise specified in the text.</p> <p>It is product user's responsibility to obey local legislation.</p> <p>Product toned in the shade according to the Colorit tone card and does not</p>
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# 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:	UNIFAS SILIKAT			BTL.C.16.03
Product code:	Production date:	22 March 2017	Version no:	03

		fall under hazardous products under the GHS/CLP classification and labelling.
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