

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.10.2018

Revision: 01.10.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** JUBIZOL NANO FINISH S
- **Article number:** 2.000.374
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
 - PW Widespread use by professional workers
 - C Consumer use
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU19 Building and construction work
- **Product category** PC0 Other
- **Process category** PROC19 Manual activities involving hand contact
- **Environmental release category** ERC10a Widespread use of articles with low release (outdoor)
- **Application of the substance / the mixture** Ready-mixed decorative mortar
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - JUB d.o.o.
 - Dol pri Ljubljani 28
 - 1262 DOL PRI LJUBLJANI
 - SLOVENIA
 - T: + 386 1 5884 183
 - F: + 386 1 5884 250
 - E: info@jub.si
- **Further information obtainable from:**
 - Laura Učakar
 - T: +386 1 5884 185
 - F: +386 1 5884 227
 - E: laura.ucakar@jub.eu
- **1.4 Emergency telephone number:**
 - UK Emergency number: 999
 - Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 - The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard-determining components of labelling:**
 - terbutryn

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· **Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Contains biocidal products: 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one

· **2.3 Other hazards**· **Results of PBT and vPvB assessment** Not applicable.· **PBT:** Not applicable.· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol ----- ☠ Eye Irrit. 2, H319	>1-≤5%
CAS: 546-93-0	Magnesite substance with a Community workplace exposure limit	>1-≤5%
CAS: 9004-34-6 EINECS: 232-674-9	Cellulose substance with a Community workplace exposure limit	≤0.5%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide ----- ☠ Met. Corr.1, H290; Skin Corr. 1A, H314 ☠ Acute Tox. 4, H302	≤0.1%
CAS: 886-50-0 EINECS: 212-950-5	terbutryn ----- ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100) ☠ Acute Tox. 4, H302; Skin Sens. 1, H317	≤0.1 (0.01)%
CAS: 13463-41-7 EINECS: 236-671-3	Pyrithione zinc ----- ☠ Acute Tox. 3, H301; Acute Tox. 3, H331 ☠ Eye Dam. 1, H318 ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10)	≤0.025 (0.005)%
	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) ----- ☠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ☠ Skin Corr. 1B, H314 ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ☠ Skin Sens. 1, H317	≤0.001%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one ----- ☠ Eye Dam. 1, H318 ☠ Aquatic Acute 1, H400 ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	≤0.05%

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· Additional information:

Classification and labelling of the product is prepared in accordance with the instructions of the supplier of biocidal active ingredients or biocide products.

The technology of protection active ingredients (AMME - Advanced Micro Matrix Embedding) allows changing of the classification of chemicals and this resulting in different labelling of products containing processed substances.

The total content and the content of free 2-octyl-2H-isothiazol-3-one (OIT) are indicated. Only the content of free OIT is toxicological relevant and is subject to the classification of this mixture regarding the following properties: environmental hazardous properties, skin and eye irritation, sensitisation.

The total content and the content of free zinc pyrithione (ZnPy) are indicated. Only the content of free ZnPy is toxicological relevant and is subject to the classification of this mixture regarding the following properties: environmental hazardous properties, skin and eye irritation. The total content and the content of free terbutryn are indicated. Only the content of free terbutryn is toxicological relevant and is subject to the classification of this mixture regarding the following properties: environmental hazardous properties, sensitisation.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures**

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Generally the product does not irritate the skin.

· After eye contact: Rinse opened eye for several minutes under running water.

· After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**· Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture No further relevant information available.

· 5.3 Advice for firefighters

· Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.

· 6.2 Environmental precautions:

In case of gas release or seepage into the ground inform responsible authorities.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling No special precautions are necessary if used correctly.

· Information about fire - and explosion protection: No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol	
WEL	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
CAS: 546-93-0 Magnesite	
WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
CAS: 9004-34-6 Cellulose	
WEL	Short-term value: 20* mg/m ³ Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable
CAS: 1310-73-2 sodium hydroxide	
WEL	Short-term value: 2 mg/m ³

- **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling
- **Risk management measures**
It is recommended to use high-quality work clothing and protective equipment. Use only outfits that meet the following standards:
 - Protective gloves that meet the criteria of BS EN 374.
 - Protective goggles must comply with standard BS EN 166.
 - Protective mask respirator for fine dust particles and vapors should be in accordance with BS EN 143 (full face masks).

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Pasty
Colour: Different according to colouring
Whitish

· Odour: Mild
· Odour threshold: Not determined.

· pH-value at 20 °C: 8-9.7

· Change in condition

Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: Undetermined.

· Flash point: 98 °C

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.
Upper: Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 1.8-1.95 g/cm³
· Relative density Not determined.
· Vapour density Not determined.
· Evaporation rate Not determined.

· Solubility in / Miscibility with water: Not determined.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic: Not determined.
Kinematic: Not determined.

· Solvent content:

Organic solvents: ≤2.0 %
Water: 4.9 %

Solids content: 79-87 %

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

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· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Inhalative	LC50/4 h	>353.69-439.9 mg/l (rat)
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CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	5,660 mg/kg (rat)
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Dermal	LD50	4,000 mg/kg (rabbit)
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CAS: 1310-73-2 sodium hydroxide

Oral	LD50	2,000 mg/kg (rat)
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CAS: 886-50-0 terbutryn

Oral	LD50	2,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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Inhalative	LC50/4 h	>2,200 mg/l (rat)
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CAS: 13463-41-7 Pyrithione zinc

Oral	LD50	269 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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		>2,000 mg/kg (rabbit)
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Inhalative	LC50/4 h	>2,000 mg/l (rabbit)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****CAS: 1310-73-2 sodium hydroxide**

LC50/ 96 h	45 mg/l (/)
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CAS: 886-50-0 terbutryn

LC50/ 96 h	1.3 mg/l (/)
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EC50/ 48 h	2.66 mg/l (daphnia)
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EC50/ 168 h	0.013 mg/l (/)
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NOEC / 21 dni	0.01 mg/l (/)
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	1.3 mg/l (daphnia)
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NOEC / 35 dni	0.84 mg/l (/)
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CAS: 13463-41-7 Pyrithione zinc

LC50 0.028 mg/l (daphnia)

EC50/ 48 h 0.05 mg/l (daphnia)

EC50/ 72 h 0.067 mg/l (/)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

- **European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
15 01 02	plastic packaging

- **Uncleaned packaging:**

- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** Void

- **14.4 Packing group**

- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**

Not applicable.

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Transport in bulk according to Annex II of**

Marpol and the IBC Code

Not applicable.

- **UN "Model Regulation":**

Void

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SECTION 15: Regulatory information

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

Following regulation was considered in the preparation of document:

Legislation on the occupational health and safety, the chemical legislation and regulations on biocidal products, regulations on classification, packaging and labeling of chemical and biocidal products and requirements on safety data sheets for chemicals and biocidal products composition, as well as regulations on the management of packaging and packaging waste and waste.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic 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.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

· **Recommended restriction of use**

Claims contained in this document are based on our actual knowledge at the time of revision of this document. They do not undertake the properties of the product described in terms of the legal provisions for the pledge.

Placing this document as available does not unbind the product customer from its responsibility to comply with all relevant laws and regulations applicable for this product. This is especially valid in the case of product resale or resale of its mixtures or manufactured products from other areas of law and industrial property rights of third parties. If the product described above is changed by crafting or mixing with other materials, it is not possible to transfer claims from this document onto a newly made product, unless otherwise specified. In the case of product re-packaging the customer must attach the required relevant safety information as well.

· **Department issuing SDS:**

JUB d.o.o.

Product safety department

· **Contact:**

Laura Učakar

laura.ucakar@jub.eu

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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*PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Met. Corr. 1: Corrosive to metals – Category 1**Acute Tox. 3: Acute toxicity – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3***· * Data compared to the previous version altered.**

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