

Safety Data Sheet W-GARD Wax

Revision date: 06/02/2026

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

1.1. Product identifier

Trade name: W-GARD Wax

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

Recommended uses: Wood protection

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Kraso SIA
Address: Vienības gatve 93
Zip code: LV-1058
City: Rīga
Country: LATVIA
Email: info@kraso.com
Phone: +371 67887192

1.4. Emergency Telephone Number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures.

2.2. Label elements

Precautionary statements

P102 Keep out of reach of children.

Supplemental information

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Contains biocidal products: BIT, C(M)IT/MIT (3:1) May produce an allergic reaction.

VOC: This product contains a maximum of 30 g VOC/L. The limit value is 130 g VOC/L (cat. A/e)

2.3. Other hazards

The substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in concentrations of 0.1% or higher.

The substance/mixture contains no components that are considered to have endocrine-disrupting properties according to REACH art. 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Bronopol	52-51-7 200-143-0	< 0.04 %		Acute Tox. 4;H302 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335 Aquatic Acute 1;H400 Aquatic Chronic 2;H411 ATE (Acute toxicity - oral): 324 mg/kg bw ATE (Acute toxicity - dermal): 1600 mg/kg bw M (acute): 10
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 01-2120761540-60	< 0.036 %		Acute Tox. 4;H302 Skin Irrit. 2;H315 Skin Sens. 1A;H317 Eye Dam. 1;H318 Acute Tox. 2;H330 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 C ≥ 0.036%: Skin Sens. 1A;H317 ATE (dust/mist) (Acute toxicity - inhalation): 0.21 mg/l ATE (Acute toxicity - oral): 450 mg/kg bw M (acute): 1 M (chronic): 1
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 611-341-5 01-2120764691-48	< 0.0015 %		Acute Tox. 3;H301 Acute Tox. 2;H310 Skin Corr. 1B;H314 Skin Sens. 1A;H317 Eye Dam. 1;H318 Acute Tox. 2;H330 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 C ≥ 0.0015%: Skin Sens. 1A;H317 C ≥ 0.6%: Eye Dam. 1;H318 C ≥ 0.6%: Skin Corr. 1C;H314 0.06% ≤ C < 0.6%: Eye Irrit. 2;H319 0.06% ≤ C < 0.6%: Skin Irrit. 2;H315 LD50 (Acute toxicity - dermal): 660 mg/kg bw LD50 (Acute toxicity - oral): 457 mg/kg bw ATE (dust/mist) (Acute toxicity - inhalation): 0.31 mg/l M (acute): 100 M (chronic): 100

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Skin contact:	Wash the skin with water.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Ingestion may cause discomfort. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product contains substances that in some cases can cause an allergic reaction on skin contact.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released. Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear suitable protective clothing. Wear safety goggles if there is a risk of eye splash.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store frost-free. Do not expose to heat (e.g. sunlight).

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements.

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PNEC

Bronopol, cas-no 52-51-7				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,01 mg/l			
PNEC aqua (marine water)	0,0008 mg/l			
PNEC STP (wastewater-treatment facilities)	0,43 mg/l			
PNEC sediment (freshwater)	0,041 mg/kg			
PNEC sediment (marine water)	0,00328 mg/kg			
PNEC soil	0,5 mg/kg			
1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	4,03 µg/l			
PNEC aqua (intermittent releases (fresh water))	1,1 µg/l			
PNEC aqua (marine water)	403 ng/l			
PNEC aqua (intermittent releases (marine water))	110 ng/l			
PNEC STP (wastewater-treatment facilities)	1,03 mg/l			
PNEC sediment (freshwater)	49,9 µg/kg dw			
PNEC sediment (marine water)	4,99 µg/kg dw			
PNEC soil	3 mg/kg dw			
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	3,39 µg/l			
PNEC aqua (intermittent releases (fresh water))	3,39 µg/l			
PNEC aqua (marine water)	3,39 µg/l			
PNEC aqua (intermittent releases (marine water))	3,39 µg/l			
PNEC STP (wastewater-treatment facilities)	230 µg/l			
PNEC sediment (marine water)	27 µg/kg dw			
PNEC sediment (freshwater)	27 µg/kg dw			
PNEC soil	10 µg/kg dw			

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DNEL - workers

Bronopol, cas-no 52-51-7					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - local effects)	0,013 mg/kg bw/day				
Inhalation DNEL (long-term exposure - local effects)	4,2 mg/m ³				
Inhalation DNEL (long-term exposure - systemic effects)	4,1 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	2,3 mg/kg bw/day				
1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	6,81 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	966 µg/kg bw/day				
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	20 µg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	40 µg/m ³				

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DNEL - general population

Bronopol, cas-no 52-51-7					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (acute/short-term exposure - systemic effects)	4,2 ng/kg bw/day				
Dermal DNEL (acute/short-term exposure - local effects)	0,008 mg/kg bw/day				
Inhalation DNEL (acute/short-term exposure - systemic effects)	3,7 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	1,3 mg/m ³				
1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	1,2 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	345 µg/kg bw/day				
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	20 µg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	40 µg/m ³				
Oral DNEL (long-term exposure - systemic effects)	90 µg/kg bw/day				
Oral DNEL (acute/short-term exposure - systemic effects)	110 µg/kg bw/day				

8.2. Exposure controls

Personal protective equipment, Wear safety goggles if there is a risk of eye splash.
eye/face protection:

Personal protective equipment, In the event of direct skin contact, wear protective gloves:
hand protection:

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Viscous liquid.
Colour	According to product specification
Odour	Weak
Solubility	Solubility in water: Soluble

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	~ 0 °C	Water
Freezing point	~ 0 °C	Water
Boiling point or initial boiling point and boiling range	~ 100 °C	
Flammability		Non-flammable
Flammability limits	No data	
Lower and upper explosion limit	No data	
Flash Point		Not relevant
Auto-ignition temperature		Not applicable. Water
Decomposition temperature	> 200 °C	
pH (solution for use)	8 - 9	
pH (concentrate)		Not relevant
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	1000-1100 kg/m ³	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Non-explosive
Oxidising properties		Non-oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Store cold, but frost-free.

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10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

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

Acute toxicity - oral

Bronopol, cas-no 52-51-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		324 mg/kg bw			

1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		450 mg/kg bw			

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		457 mg/kg bw			ECHA

Based on existing data, the classification criteria are deemed not to have been met.

Ingestion of large quantities may cause discomfort.

Acute toxicity - dermal

Bronopol, cas-no 52-51-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		1600 mg/kg bw			

1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		2000 mg/kg bw			

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		660 mg/kg bw			ECHA

Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE (dust/mist)		0.21 mg/l			

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LC50		1.23 mg/m ³			ECHA
	ATE (dust/mist)		0.31 mg/l			Supplier's Safety Data Sheet

Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation:

Based on existing data, the classification criteria are deemed not to have been met.

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

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Serious eye damage/eye irritation:	Based on existing data, the classification criteria are deemed not to have been met. May cause eye irritation.
Respiratory sensitisation or skin sensitisation:	Based on existing data, the classification criteria are deemed not to have been met. The product contains small amounts of reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. Persons with a known allergy may exhibit an allergic response to the product.
Germ cell mutagenicity:	Based on existing data, the classification criteria are deemed not to have been met.
Carcinogenic properties:	Based on existing data, the classification criteria are deemed not to have been met.
Reproductive toxicity:	Based on existing data, the classification criteria are deemed not to have been met.
Single STOT exposure:	Based on existing data, the classification criteria are deemed not to have been met.
Repeated STOT exposure:	Based on existing data, the classification criteria are deemed not to have been met.
Aspiration hazard:	Based on existing data, the classification criteria are deemed not to have been met.

11.2. Information on other hazards

Endocrine disrupting properties:	Constituents have no endocrine-disrupting properties with respect to non-target organisms as they do not meet the criteria in Section B of Regulation (EU) 2017/2100.
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SECTION 12: Ecological information

12.1. Toxicity

1,2-benzisothiazol-3(2H)-one, cas-no 2634-33-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna	21d	21dNOEC	1.2 mg/l		OECD 211	Supplier's Safety Data Sheet
Fish	Oncorhynchus mykiss	48h	48hEC50	3.27 mg/l		OECD 202	Supplier's Safety Data Sheet
Algae	Selenastrum capricornutum	72h	72hNOEC	0.04		OECD 201	Supplier's Safety Data Sheet
Algae	Selenastrum capricornutum	72h	72hEC50	0.11 mg/l		OECD 201	Supplier's Safety Data Sheet
Fish	Oncorhynchus mykiss	28d	28dNOEC	0.21 mg/l		OECD 215	Supplier's Safety Data Sheet
Crustacea	Daphnia magna	48h	48hEC50	3.27 mg/l		OECD 202	Supplier's Safety Data Sheet

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), cas-no 55965-84-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss	96h	96hLC50	0.22 mg/l		OECD 203	Supplier's Safety Data Sheet
Algae	Skeletonema costatum	48h	48hEC50	0.0052 mg/l		ISO 10253	Supplier's Safety Data Sheet
Algae	Skeletonema costatum	48h	48hNOEC	0.00064 mg/l		ISO 10253	Supplier's Safety Data Sheet
Crustacea	Daphnia magna	21d	21dNOEC	0.004 mg/l		OECD 211	Supplier's Safety Data Sheet
Bacteria	Pseudokirchneriella subcapitata	72h	72hNOEC	0.0012 mg/l		OECD 201	Supplier's Safety Data Sheet
Fish	Oncorhynchus mykiss	28d	28dNOEC	0.098 mg/l		OECD 215	Supplier's Safety Data Sheet

Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Test data are not available for all substances.

12.3. Bioaccumulative potential

Test data are not available for all substances.

12.4. Mobility in soil

Test data are not available for all substances.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

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12.6. Endocrine disrupting properties

Constituents have no endocrine-disrupting properties with respect to non-target organisms as they do not meet the criteria in Section B of Regulation (EU) 2017/2100.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: EWC code: Depends on line of business and use, for instance
08 01 12 waste paint and varnish other than those mentioned in 08 01 11
20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27

SECTION 14: Transport information

14.1. UN number or ID number:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Other Information: The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

SECTION 15: Regulatory information

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

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Vendor notes: Changes have been made in sections: -

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Hazard statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful 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.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Supplemental hazard information

EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
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Country: EU