

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



4210.100 COOLPASTE

Version 1.1 Revision Date: 10.12.2018 Date of last issue: 19.10.2018 Print Date: 14.12.2018
Date of first issue: 19.10.2018

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

1.1 Product identifier

Product name : COOLPASTE

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

Use of the Sub-stance/Mixture : Processing aid

Recommended restrictions on use : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Bullnheimer & Co. KG GmbH & Co. KG
Im Tal 12
D-86179 Augsburg
Tel.: +49 821 80850 0
Fax.: +49 821 80850 90

E-mail address of person responsible for the SDS: info@bullnheimer.de

National contact :

1.4 Emergency telephone number

Emergency telephone number : +49 821 80850 0 Mo. – Th. 08:00 – 16:00, Fr. 08:00 – 13:00.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Preservatives

Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration limits M-Factor Notes	Concentration (% w/w)
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Acute1; H400	>= 0,05 % Skin Sens.1, H317 M-Factor: 1/	>= 0,0025 - < 0,025
2-methyl-2Hisothiazol-3-one	2682-20-4 220-239-6	Acute Tox.3; H301 Acute Tox.2; H330 Acute Tox.3; H311 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1; H317 STOT SE3; H335 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,05 % Skin Sens.1, H317 M-Factor: 1/	>= 0,0025 - < 0,025
Substances with a workplace exposure limit :				
Polyethylene glycol #1200	25322-68-3 500-038-2			>= 1 - < 10

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
In case of contact, immediately flush skin with plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.
Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Fire may cause evolution of:
Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus.
Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Avoid breathing dust.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

Storage class (TRGS 510) : 13, Non Combustible Solids

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Polyethylene glycol #1200	25322-68-3	AGW (Inhalable fraction)	1.000 mg/m ³	DE TRGS 900 (2008-06-01)
Peak-limit: excursion factor (category)	8;(II)			
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Polyethylene glycol #1200	Workers	Inhalation	Long-term systemic effects	28,986 mg/m ³
	Workers	Skin contact	Long-term systemic effects	66,667 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Polyethylene glycol #1200	Fresh water	0,016 mg/l
	Marine water	0,002 mg/l
	Soil	4,423 mg/kg
	Fresh water sediment	15,91 mg/kg
	Marine sediment	15,91 mg/kg
	Sewage treatment plant	77,063 mg/l

8.2 Exposure controls Engineering measures

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Material : butyl-rubber
Protective index : Class 1

Remarks : For prolonged or repeated contact use protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

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Respiratory protection		: Not required; except in case of aerosol formation.	
Filter type		: Filter type A-P	
Protective measures		: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: paste
Colour	: brown
Odour	: odourless
pH	: Not applicable
	: not determined
Flash point	: Not applicable
Flammability (solid, gas)	: Will not burn
Vapour pressure	: < 0,001 hPa (20 °C)
Density	: 1,09 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: insoluble
Viscosity	
Viscosity, kinematic	: Not applicable

9.2 Other information

Metal corrosion rate	: Not corrosive to metals
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SECTION 10: Stability and reactivity

10.1 Reactivity 10.2 Chemical stability 10.3 Possibility of hazardous reactions 10.4 Conditions to avoid 10.5 Incompatible materials 10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Components:

1,2-benzisothiazol-3(2H)-one:

Acute oral toxicity : LD50 Oral (Rat): 1.193 mg/kg

Acute toxicity estimate: 500,0 mg/kg

Method: Converted acute toxicity point estimate

Remarks: Harmful if swallowed.

Acute dermal toxicity : Symptoms: Redness, Local irritation

2-methyl-2H-isothiazol-3-one:

Acute oral toxicity : LD50 Oral (Rat): > 50 mg/kg

Symptoms: Pain, Stomach/intestinal disorders

Remarks: Toxic if swallowed.

Acute inhalation toxicity : LC50 (Rat): 0,11 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Remarks: Risk of delayed pulmonary oedema.

Effects of breathing high concentrations of vapour may include:

Very toxic by inhalation.

Irritating to respiratory system.

Symptoms: Local irritation, Respiratory disorders, Inhalation may provoke the following symptoms:

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Acute dermal toxicity : LD50 Dermal (Rabbit, female): 326 mg/kg

Remarks: Very toxic in contact with skin.

Symptoms: Blistering, Redness, Local irritation

Polyethylene glycol #1200:

Acute oral toxicity : LD50 (Rat): > 15.000 mg/kg

Skin corrosion/irritation Components:

1,2-benzisothiazol-3(2H)-one:

Result: Irritating to skin.

Remarks: Irritating to skin.

2-methyl-2H-isothiazol-3-one:

Species: Rabbit

Result: Causes burns.

Remarks: Causes skin burns.

Polyethylene glycol #1200:

Assessment: No skin irritation

Result: No skin irritation

Serious eye damage/eye irritation Components:

1,2-benzisothiazol-3(2H)-one: Result:

Risk of serious damage to eyes.

Remarks: Severe eye irritation May irritate eyes.

Risk of serious damage to eyes.

Remarks: Severe eye irritation May irritate eyes.

Risk of serious damage to eyes.

2-methyl-2H-isothiazol-3-one:

Remarks: Acute eye irritation/corrosion Causes eye burns.

Polyethylene glycol #1200:

Assessment: No eye irritation

Result: No eye irritation

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Respiratory or skin sensitisation Components:

1,2-benzisothiazol-3(2H)-one:

Assessment: May cause sensitisation by skin contact.

2-methyl-2H-isothiazol-3-one:

Species: Rabbit

Assessment: May cause sensitisation by skin contact.

Polyethylene glycol #1200:

Assessment: Does not cause skin sensitisation.

Result: Does not cause skin sensitisation.

STOT - single exposure Components:

2-methyl-2H-isothiazol-3-one:

Assessment: May cause respiratory irritation.

Polyethylene glycol #1200:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure Components:

Polyethylene glycol #1200:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity Components:

Polyethylene glycol #1200:

No aspiration toxicity classification

Further information

Product:

Remarks: Information given is based on data on the components and the toxicology of similar products.

Components:

1,2-benzisothiazol-3(2H)-one:

Remarks: Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

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2-methyl-2H-isothiazol-3-one:

Remarks: Ingestion causes burns of the upper digestive and respiratory tracts.

SECTION 12: Ecological information

12.1 Toxicity

Components:

1,2-benzisothiazol-3(2H)-one:

Toxicity to fish : Remarks: Very toxic to aquatic organisms.

Remarks: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Very toxic to aquatic organisms.

M-Factor (Acute aquatic toxicity) :

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

2-methyl-2H-isothiazol-3-one:

Toxicity to fish : Remarks: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Very toxic to aquatic organisms.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,85 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 0,158 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) :

Polyethylene glycol #1200:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l
Exposure time: 96 h

12.2 Persistence and degradability

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Components:

Polyethylene glycol #1200:

Biodegradability : Result: rapidly biodegradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Components:

2-methyl-2H-isothiazol-3-one:

Partition coefficient: n- : log Pow: -0,486
octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

Components:

Polyethylene glycol #1200:

Assessment : Non-classified PBT substance. Non-classified vPvB substance.

12.6 Other adverse effects Components:

1,2-benzisothiazol-3(2H)-one:

Additional ecological information : Very toxic to aquatic life.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Very toxic to aquatic life.

2-methyl-2H-isothiazol-3-one:

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Additional ecological information : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Very toxic to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Waste codes should be assigned by the user based on the application for which the product was used.

The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.
Dispose of waste product or used containers according to local regulations.

The following Waste Codes are only suggestions:

SECTION 14: Transport information

14.1 UN number

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

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IMDG : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good
IATA (Passenger) 14.5 : Not regulated as a dangerous good
Environmental hazards

ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good

14.6 Special precautions for user No special precautions required.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

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Not applicable

Water contaminating class (Germany) : WGK 1 slightly water endangering
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : Total dust:
others: 1,6 %

Inorganic substances in powdered form: Not applicable
Inorganic substances in vapour or gaseous form: Not applicable
Organic Substances:
portion Class 1: 0,02 %
others: 2,7 %

Carcinogenic substances: Not applicable
Mutagenic:
Not applicable
Toxic to reproduction: Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Remarks: Not applicable

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of H-Statements

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.
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.

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Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship.