

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.: 18820196 PURO  
Print date: 23.10.2023 Revision date: 03.05.2023 101070 EN  
Version: 23.0 Issue date: 03.05.2023 Page 1 / 8

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

- 1.1. **Product identifier**  
Article No. (manufacturer/supplier) 18820196  
Trade name/designation PURO  
Basis A
- 1.2. **Relevant identified uses of the substance or mixture and uses advised against**  
**Relevant identified uses**  
emulsion paint / wall paint  
This product is a with biocidal products treated article.
- 1.3. **Details of the supplier of the safety data sheet**  
**supplier (manufacturer/importer/downstream user/distributor)**  
A.S. Création Tapeten AG  
Südstraße 47 Telephone: +49 (0)2261-542 0  
D-51645 Gummersbach Telefax: + 49 (0) 2261-55 88 3  
**Department responsible for information:**  
laboratory  
E-mail (competent person) tim.bisschopink@as-creation.de
- 1.4. **Emergency telephone number**  
Emergency telephone number 02261-542182

## SECTION 2: Hazards identification

- 2.1. **Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008 [CLP]**  
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
- 2.2. **Label elements**  
Contains the biocidal product CMIT / MIT 3: 1 to maintain storage stability.  
**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**  
**Hazard pictograms**  
  
**Hazard statements**  
not applicable  
**Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
**Hazard components for labelling**  
not applicable  
**Supplemental hazard information**  
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one; reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1). May produce an allergic reaction.  
EUH210 Safety data sheet available on request.
- 2.3. **Other hazards**  
No information available.

## SECTION 3: Composition/information on ingredients

- 3.2. **Mixtures**  
**Description** Dispersion  
**Hazardous ingredients**  
**Classification according to Regulation (EC) No 1272/2008 [CLP]**
- | EC No.  | REACH No.   | weight-% |
|---------|-------------|----------|
| CAS No. | Designation |          |

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Article No.: 18820196 PURO  
 Print date: 23.10.2023 Revision date: 03.05.2023 101070 EN  
 Version: 23.0 Issue date: 03.05.2023 Page 2 / 8

Index No.	classification: // Remark	
220-120-9 2634-33-5 613-088-00-6	01-2120761540-60-XXXX 1,2-benzisothiazol-3(2H)-one Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410 (M = 1) Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0,05	0,025 < 0,05
55965-84-9 613-167-00-5	01-2120764691-48-XXXX reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2 H330 / Acute Tox. 2 H310 / Acute Tox. 3 H301 / Skin Corr. 1C H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100) / EUH071 Specific concentration limit (SCL): Skin Corr. 1C H314 >= 0,6 / Skin Irrit. 2 H315 >= 0,06 / Eye Dam. 1 H318 >= 0,6 / Eye Irrit. 2 H319 >= 0,06 / Skin Sens. 1A H317 >= 0,0015 Acute toxicity estimate (ATE): ATE (oral): 64 mg/kg bw / ATE (dermal): 87 mg/kg bw / ATE (inhalation, vapour): 0,33 mg/L	0,00015 < 0,0015

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Unsuitable extinguishing media**

strong water jet

**5.2. Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

**SECTION 6: Accidental release measures**

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according to Regulation (EU) 2020/878

Article No.:	18820196	PURO	
Print date:	23.10.2023	Revision date: 03.05.2023	101070 EN
Version:	23.0	Issue date: 03.05.2023	Page 3 / 8

- 6.1. **Personal precautions, protective equipment and emergency procedures**  
Ventilate affected area. Do not breathe vapours.
- 6.2. **Environmental precautions**  
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.
- 6.3. **Methods and material for containment and cleaning up**  
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.
- 6.4. **Reference to other sections**  
Observe protective provisions (see section 7 and 8).

## SECTION 7: Handling and storage

- 7.1. **Precautions for safe handling**  
**Advices on safe handling**  
Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.
- 7.2. **Conditions for safe storage, including any incompatibilities**  
**Requirements for storage rooms and vessels**  
Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".  
**Hints on joint storage**  
Keep away from strongly acidic and alkaline materials as well as oxidizers.  
**Further information on storage conditions**  
Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.
- 7.3. **Specific end use(s)**  
Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

- 8.1. **Control parameters**  
**Occupational exposure limit values**  
not applicable
- 8.2. **Exposure controls**  
Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.  
**Personal protection equipment**  
**Respiratory protection**  
If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.  
**Hand protection**  
For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)  
Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.  
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374  
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.  
**Eye/face protection**  
Wear closely fitting protective glasses in case of splashes.  
**Body protection**

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according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.: 18820196 PURO  
Print date: 23.10.2023 Revision date: 03.05.2023 101070 EN  
Version: 23.0 Issue date: 03.05.2023 Page 4 / 8

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

### Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
Melting point/freezing point:	1830 °C Source: titanium dioxide
Initial boiling point and boiling range:	100 °C Method: DIN 53171 Source: Water
Flammability:	not applicable
Lower and upper explosion limit:	
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	not applicable
Decomposition temperature:	not applicable
pH at 20 °C:	8 - 9 / 100,0 weight-%
Cinematic viscosity (40°C):	4194,09 mm <sup>2</sup> /s
Viscosity at 20 °C:	6500 mPa* s Method: TM 33 b
Solubility(ies):	
Water solubility at 20 °C:	completely miscible
Partition coefficient: n-octanol/water:	see section 12
Vapour pressure at 20 °C:	0,3099 mbar
Density and/or relative density:	
Density at 20 °C:	1,55 g/cm <sup>3</sup>
Relative vapour density:	not applicable
particle characteristics:	not applicable

### 9.2. Other information

Solid content:	60 weight-%
solvent content:	
Organic solvents:	0 weight-%
Water:	40 weight-%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

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according to Regulation (EU) 2020/878

Article No.:	18820196	PURO	
Print date:	23.10.2023	Revision date: 03.05.2023	101070 EN
Version:	23.0	Issue date: 03.05.2023	Page 5 / 8

#### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

#### 10.5. Incompatible materials

not applicable

#### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

### SECTION 11: Toxicological information

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

##### Acute toxicity

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

oral, LD50, Rat: 670 - 784 mg/kg

dermal, LD50, Rat: > 2000 mg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

oral, LD50, Rat: 64 mg/kg

dermal, LD50, Rabbit: 87,12 mg/kg

inhalative (dust and mist), LC50, Rat: 0,33 mg/L (4 h)

##### Skin corrosion/irritation; Serious eye damage/eye irritation

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Skin, Guinea pig (4 h)

Method: OECD 406

sensitising

##### Respiratory or skin sensitisation

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

Skin, Guinea pig:

Method: OECD 406

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

##### STOT-single exposure; 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.

##### Practical experience/human evidence

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

##### Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

##### Remark

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No information available.

### SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

#### 12.1. Toxicity

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

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.:	18820196	PURO	
Print date:	23.10.2023	Revision date: 03.05.2023	101070 EN
Version:	23.0	Issue date: 03.05.2023	Page 6 / 8

Daphnia toxicity, EC50, Daphnia magna: 3,27 mg/L (48 h)  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 0,067 mg/L

reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 0,19 mg/L (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia toxicity: 0,16 mg/L (48 h)

Algae toxicity, ErC50, Algae: 0,018 mg/L (72 h)

## Long-term Ecotoxicity

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

Fish toxicity, NOEC, Oncorhynchus mykiss (Rainbow trout) (28 )

reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)

Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 0,0012 mg/L (72 h)

Method: OECD 201

## 12.2. Persistence and degradability

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

: 0 % ; Evaluation Zahn-Wellens Test

Method: OECD 302B

: > 70 % ; Evaluation Activated Sludge Units

Method: OECD 303A

## 12.3. Bioaccumulative potential

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

Partition coefficient: n-octanol/water: 0,7 ; Evaluation Log KOW

Method: OECD 117

HPLC method

## Bioconcentration factor (BCF)

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

Bioconcentration factor (BCF): 6,95

Method: OECD 305

## 12.4. Mobility in soil

Toxicological data are not available.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6. Endocrine disrupting properties

No information available.

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal / Product

##### Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 08 01 11

#### Appropriate disposal / Package

##### Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

### 14.1. UN number or ID number

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

Article No.: 18820196 PURO  
 Print date: 23.10.2023 Revision date: 03.05.2023 101070 EN  
 Version: 23.0 Issue date: 03.05.2023 Page 7 / 8

- not applicable
- 14.2. **UN proper shipping name**
- 14.3. **Transport hazard class(es)** not applicable
- 14.4. **Packing group** not applicable
- 14.5. **Environmental hazards**  
 Land transport (ADR/RID) not applicable  
 Marine pollutant not applicable
- 14.6. **Special precautions for user**  
 Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.  
 Advices on safe handling: see parts 6 - 8
- Further information**
- Land transport (ADR/RID)**  
 Tunnel restriction code -
- Sea transport (IMDG)**  
 EmS-No. not applicable
- 14.7. **Maritime transport in bulk according to IMO instruments**  
 No transport as bulk according IBC - Code.

**SECTION 15: Regulatory information**

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- EU legislation**
- Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**  
 VOC-value (in g/L): 0
- Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**  
 VOC product category: (Cat. A/a) ; VOC limit value: 30 g/l  
 Maximum VOC content of the product in a ready to use condition (in g/L): 0
- National regulations**
- Restrictions of occupation**  
 Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
 Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
- 15.2. **Chemical Safety Assessment**  
**For the following substances of this mixture a chemical safety assessment has been carried out:**

EC No. CAS No.	Designation	REACH No.
220-120-9 2634-33-5	1,2-benzisothiazol-3(2H)-one	01-2120761540-60-XXXX
55965-84-9	reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)	01-2120764691-48-XXXX

**SECTION 16: Other information**

**Full text of classification in section 3:**

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.

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**according to Regulation (EC) No. 1907/2006 (REACH)**  
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Article No.:	18820196	PURO	
Print date:	23.10.2023	Revision date: 03.05.2023	101070 EN
Version:	23.0	Issue date: 03.05.2023	Page 8 / 8

Acute Tox. 2 / H310	Acute toxicity (dermal)	Fatal in contact with skin.
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
Skin Corr. 1C / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.



**Safety Data Sheet**  
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according to Regulation (EU) 2020/878

Article No.: 18820396 PURO  
Print date: 23.10.2023 Revision date: 08.05.2023 101070 EN  
Version: 24.0 Issue date: 08.05.2023 Page 1 / 8

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

- 1.1. **Product identifier**  
Article No. (manufacturer/supplier) 18820396  
Trade name/designation PURO  
Basis C
- 1.2. **Relevant identified uses of the substance or mixture and uses advised against**  
**Relevant identified uses**  
emulsion paint / wall paint  
This product is a with biocidal products treated article.
- 1.3. **Details of the supplier of the safety data sheet**  
**supplier (manufacturer/importer/downstream user/distributor)**  
A.S. Création Tapeten AG  
Südstraße 47 Telephone: +49 (0)2261-542 0  
D-51645 Gummersbach Telefax: + 49 (0) 2261-55 88 3  
**Department responsible for information:**  
laboratory  
E-mail (competent person) tim.bisschopink@as-creation.de
- 1.4. **Emergency telephone number**  
Emergency telephone number 02261-542182

**SECTION 2: Hazards identification**

- 2.1. **Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008 [CLP]**  
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
- 2.2. **Label elements**  
Contains the biocidal product CMIT / MIT 3: 1 to maintain storage stability.  
**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**  
**Hazard pictograms**  
  
**Hazard statements**  
not applicable  
**Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
**Hazard components for labelling**  
not applicable  
**Supplemental hazard information**  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one; reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1). May produce an allergic reaction.  
EUH210 Safety data sheet available on request.
- 2.3. **Other hazards**  
No information available.

**SECTION 3: Composition/information on ingredients**

- 3.2. **Mixtures**  
**Description** Dispersion  
**Hazardous ingredients**  
**Classification according to Regulation (EC) No 1272/2008 [CLP]**

EC No.	REACH No.	weight-%
CAS No.	Designation	
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**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

Article No.:	18820396	PURO	
Print date:	23.10.2023	Revision date: 08.05.2023	101070 EN
Version:	24.0	Issue date: 08.05.2023	Page 2 / 8

272-489-0 68855-54-9	01-2119488518-22-XXXX Kieselguhr, soda ash flux-calcined STOT RE 2 H373		1 < 2
220-120-9 2634-33-5 613-088-00-6	01-2120761540-60-XXXX 1,2-benzisothiazol-3(2H)-one Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410 (M = 1) Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0,05		0,025 < 0,05
55965-84-9 613-167-00-5	01-2120764691-48-XXXX reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1) Acute Tox. 2 H330 / Acute Tox. 2 H310 / Acute Tox. 3 H301 / Skin Corr. 1C H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100) / EUH071 Specific concentration limit (SCL): Skin Corr. 1C H314 >= 0,6 / Skin Irrit. 2 H315 >= 0,06 / Eye Dam. 1 H318 >= 0,6 / Eye Irrit. 2 H319 >= 0,06 / Skin Sens. 1A H317 >= 0,0015 Acute toxicity estimate (ATE): ATE (oral): 64 mg/kg bw / ATE (dermal): 87 mg/kg bw / ATE (inhalation, vapour): 0,33 mg/L		0,00015 < 0,0015

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Unsuitable extinguishing media**

strong water jet

**5.2. Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.:	18820396	PURO	
Print date:	23.10.2023	Revision date: 08.05.2023	101070 EN
Version:	24.0	Issue date: 08.05.2023	Page 3 / 8

## SECTION 6: Accidental release measures

- 6.1. **Personal precautions, protective equipment and emergency procedures**  
Ventilate affected area. Do not breathe vapours.
- 6.2. **Environmental precautions**  
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.
- 6.3. **Methods and material for containment and cleaning up**  
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.
- 6.4. **Reference to other sections**  
Observe protective provisions (see section 7 and 8).

## SECTION 7: Handling and storage

- 7.1. **Precautions for safe handling**  
**Advices on safe handling**  
Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.
- 7.2. **Conditions for safe storage, including any incompatibilities**  
**Requirements for storage rooms and vessels**  
Storage in accordance with the Ordinance on Industrial Safety and Health (BetRSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".  
**Hints on joint storage**  
Keep away from strongly acidic and alkaline materials as well as oxidizers.  
**Further information on storage conditions**  
Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.
- 7.3. **Specific end use(s)**  
Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

- 8.1. **Control parameters**  
**Occupational exposure limit values**  
not applicable
- 8.2. **Exposure controls**  
Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.  
**Personal protection equipment**  
**Respiratory protection**  
If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.  
**Hand protection**  
For prolonged or repeated handling the following glove material must be used:  
Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.  
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374  
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.  
**Eye/face protection**

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.: 18820396 PURO  
Print date: 23.10.2023 Revision date: 08.05.2023 101070 EN  
Version: 24.0 Issue date: 08.05.2023 Page 4 / 8

Wear closely fitting protective glasses in case of splashes.

### Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

### Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	100 °C Method: DIN 53171 Source: Water
Flammability:	not applicable
Lower and upper explosion limit:	
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	not applicable
Decomposition temperature:	not applicable
pH at 20 °C:	8 - 9 / 100,0 weight-%
Cinematic viscosity (40°C):	5007,34 mm <sup>2</sup> /s
Viscosity at 20 °C:	5800 mPa* s Method: TM 33 b
Solubility(ies):	
Water solubility at 20 °C:	completely miscible
Partition coefficient: n-octanol/water:	see section 12
Vapour pressure at 20 °C:	0,3809 mbar
Density and/or relative density:	
Density at 20 °C:	1,16 g/cm <sup>3</sup>
Relative vapour density:	not applicable
particle characteristics:	not applicable

### 9.2. Other information

Solid content:	32 weight-%
solvent content:	
Organic solvents:	0 weight-%
Water:	68 weight-%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### 10.3. Reactivity with oxidizing agents

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.:	18820396	PURO	
Print date:	23.10.2023	Revision date: 08.05.2023	101070 EN
Version:	24.0	Issue date: 08.05.2023	Page 5 / 8

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

#### 10.5. Incompatible materials

not applicable

#### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

### SECTION 11: Toxicological information

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

##### Acute toxicity

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

oral, LD50, Rat: 670 - 784 mg/kg

dermal, LD50, Rat: > 2000 mg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

oral, LD50, Rat: 64 mg/kg

dermal, LD50, Rabbit: 87,12 mg/kg

inhalative (dust and mist), LC50, Rat: 0,33 mg/L (4 h)

##### Skin corrosion/irritation; Serious eye damage/eye irritation

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Skin, Guinea pig (4 h)

Method: OECD 406

sensitising

##### Respiratory or skin sensitisation

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

Skin, Guinea pig:

Method: OECD 406

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

##### STOT-single exposure; 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.

##### Practical experience/human evidence

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

##### Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

##### Remark

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No information available.

### SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

#### 12.1. Toxicity

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

Article No.: 18820396 PURO  
Print date: 23.10.2023 Revision date: 08.05.2023 101070 EN  
Version: 24.0 Issue date: 08.05.2023 Page 6 / 8

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 1,6 mg/L (96 h)  
Daphnia toxicity, EC50, Daphnia magna: 3,27 mg/L (48 h)  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 0,067 mg/L  
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)  
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 0,19 mg/L (96 h)  
Method: OECD 203  
Daphnia toxicity, EC50, Daphnia toxicity: 0,16 mg/L (48 h)  
Algae toxicity, ErC50, Algae: 0,018 mg/L (72 h)

**Long-term Ecotoxicity**

1,2-benzisothiazol-3(2H)-one  
Fish toxicity, NOEC, Oncorhynchus mykiss (Rainbow trout) (28 )  
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)  
Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 0,0012 mg/L (72 h)  
Method: OECD 201

**12.2. Persistence and degradability**

1,2-benzisothiazol-3(2H)-one  
: 0 % ; Evaluation Zahn-Wellens Test  
Method: OECD 302B  
: > 70 % ; Evaluation Activated Sludge Units  
Method: OECD 303A

**12.3. Bioaccumulative potential**

1,2-benzisothiazol-3(2H)-one  
Partition coefficient: n-octanol/water: 0,7 ; Evaluation Log KOW  
Method: OECD 117  
HPLC method

**Bioconcentration factor (BCF)**

1,2-benzisothiazol-3(2H)-one  
Bioconcentration factor (BCF): 6,95  
Method: OECD 305

**12.4. Mobility in soil**

Toxicological data are not available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal / Product Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**List of proposed waste codes/waste designations in accordance with EWC**

080112 waste paint and varnish other than those mentioned in 08 01 11

**Appropriate disposal / Package Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

Article No.: 18820396 PURO  
 Print date: 23.10.2023 Revision date: 08.05.2023 101070 EN  
 Version: 24.0 Issue date: 08.05.2023 Page 7 / 8

- 14.1. **UN number or ID number** not applicable
- 14.2. **UN proper shipping name**
- 14.3. **Transport hazard class(es)** not applicable
- 14.4. **Packing group** not applicable
- 14.5. **Environmental hazards**  
 Land transport (ADR/RID) not applicable  
 Marine pollutant not applicable
- 14.6. **Special precautions for user**  
 Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.  
 Advices on safe handling: see parts 6 - 8  
**Further information**  
**Land transport (ADR/RID)**  
 Tunnel restriction code -  
**Sea transport (IMDG)**  
 EmS-No. not applicable
- 14.7. **Maritime transport in bulk according to IMO instruments**  
 No transport as bulk according IBC - Code.

**SECTION 15: Regulatory information**

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU legislation**  
**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**  
 VOC-value (in g/L): 0  
**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**  
 VOC product category: (Cat. A/a) ; VOC limit value: 30 g/l  
 Maximum VOC content of the product in a ready to use condition (in g/L): 0  
**National regulations**  
**Restrictions of occupation**  
 Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
 Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

- 15.2. **Chemical Safety Assessment**  
**For the following substances of this mixture a chemical safety assessment has been carried out:**

EC No. CAS No.	Designation	REACH No.
272-489-0 68855-54-9	Kieselguhr, soda ash flux-calcined	01-2119488518-22-XXXX
220-120-9 2634-33-5	1,2-benzisothiazol-3(2H)-one	01-2120761540-60-XXXX
55965-84-9	reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)	01-2120764691-48-XXXX

**SECTION 16: Other information**

**Full text of classification in section 3:**  
 STOT RE 2 / H373 STOT-repeated exposure  
 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

Article No.:	18820396	PURO	
Print date:	23.10.2023	Revision date: 08.05.2023	101070 EN
Version:	24.0	Issue date: 08.05.2023	Page 8 / 8

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
Acute Tox. 2 / H310	Acute toxicity (dermal)	Fatal in contact with skin.
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
Skin Corr. 1C / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.