

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

Printing date 16.01.2024

Version number 3 (replaces version 2)

Revision: 16.01.2024

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

· **1.1 Product identifier**

· Trade name: **Mastic 1000 INT A+**

· Article number: 1000-I

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*

· **Application of the substance / preparation** *Sealant*

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

*Temati B.V.*

*Rijnland 2*

*1948 RL Beverwijk*

*Tel: +31(0) 251 229 172*

*Fax: +31(0) 251 212 380*

*e-mail: temati@temati.com*

*Website: www.temati.com*

· **1.4 Emergency telephone number:**

*In case of emergency please contact the Dutch National Poison Control, telephone number: 0031-(0)88-755 8000 (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).*

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

*The product is not classified, according to the GB CLP regulation.*

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** *Void*

· **Hazard pictograms** *Void*

· **Signal word** *Void*

· **Hazard statements** *Void*

· **Additional information:**

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

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

· **Determination of endocrine-disrupting properties**

*The product does not contain substances with endocrine disrupting properties.*

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

· **3.2 Mixtures**

· **Description:** *Mixture of acrylated copolymer dispersion, fillers and additives*

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**Dangerous components:**

CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one <ul style="list-style-type: none"> <li>⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317</li> <li>Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %</li> </ul>	<1%
CAS: 55965-84-9	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) <ul style="list-style-type: none"> <li>⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317</li> <li>Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C &lt; 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C &lt; 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %</li> </ul>	<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:** No special measures required.

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

· **After skin contact:** Wash with water and soap.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a physician.

· **After swallowing:** Rinse mouth with water and then drink plenty of water, consult physician immediately.

· **Information for doctor:** Product is weak alkaline and after drying hardly soluble in water.

· **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

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, 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:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

· **6.2 Environmental precautions:**

Dilute with plenty of water.

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).

Collect product in waste container. Rinse floor with water.

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**6.4 Reference to other sections***No dangerous substances are released.**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 measures required.**Ensure that suitable extractors are available on processing machines***Information about fire - and explosion protection:** *No special measures required.***7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** *Store in a cool, but frost-proof location.***Information about storage in one common storage facility:** *Not required.***Further information about storage conditions:***Recommended storage temperature between 15 and 25°C.***7.3 Specific end use(s)** *No further relevant information available.***SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:***The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.***DNELs****2634-33-5 1,2-benzisothiazol-3(2H)-one**

Dermal	DNEL long term	0.966 mg/kg KG/d (wrk)
	DNEL short term systemic health problems	0.345 mg/kg/d (Consumer)
Inhalative	DNEL Inhalative long terme	1.2 /mg/m <sup>3</sup> (Consumer)
	DNEL	6.81 mg/m <sup>3</sup> (wrk)

**55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

Oral	DNEL	0.09 mg/kg (Consumer)
Inhalative	DNEL Inhalative long terme	0.02 /mg/m <sup>3</sup> (Consumer)

**PNECs****2634-33-5 1,2-benzisothiazol-3(2H)-one**

PNEC	4.99 µg/kg (Sea Water Sediment)
	49.9 µg/kg (Fresh Water Sediment)
PNEC µg/l	0.403 µg/l (Sea Water)
	4.03 µg/l (Fresh Water)
PNEC mg/kg	3 mg/kg (Soil)

**55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

PNEC mg/kg	0.01 mg/kg (Soil)
	0.027 mg/kg (Sea Water Sediment)
	0.027 mg/kg (Fresh Water Sediment)

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· **Additional information:** *The lists valid during manufacture were used as basis.*

· **8.2 Exposure controls**

· **Appropriate engineering controls** *No further data; see item 7.*

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

· **Respiratory protection:** *Not necessary if room is well-ventilated.*

· **Hand protection**



*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Selection of the glove material is dependant on the penetration times, rates of diffusion and degradation.*

· **Material of gloves**

*The selection of suitable gloves does not only depend on the material, but also on further aspects 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 established by the manufacturer of the protective gloves and has to be observed.*

· **For prolonged contact gloves made of the following materials are suitable:** *Butyl rubber*

· **Eye/face protection** *Goggles recommended during refilling*

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Colour:** *Different according to colouring*

· **Odour:** *Characteristic*

· **Boiling point or initial boiling point and boiling range** *100 °C*

· **Flash point:** *Not applicable.*

· **pH at 21 °C** *8*

· **Viscosity:**

· **Dynamic at 21 °C:** *150 Pas (Brookfield 20 rpm, SP7)*

· **Solubility**

· **water:** *Fully miscible.*

· **Vapour pressure at 20 °C:** *23 hPa*

· **Density and/or relative density**

· **Density at 21 °C:** *1.4 g/cm<sup>3</sup>*

· **Particle characteristics** *Not applicable.*

· **9.2 Other information** *No further relevant information available.*

· **Appearance:**

· **Form:** *Paste*

· **Important information on protection of health and environment, and on safety.**

· **Auto-ignition temperature:** *Product is not self-igniting.*

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

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· Solvent content:	
· Organic solvents:	0.0 %
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### 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.*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

#### LD/LC50 values relevant for classification:

**55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

Oral	LD50	64-66 mg/kg (rat)
Dermal	LD50	87.12 mg/kg (rat)

- **Skin corrosion/irritation** *Possible irritation with prolonged or frequent contact.*
- **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.*
- **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.*

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- **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.*
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

*None of the ingredients is listed.*

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**5965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

LC50/96h	0.28 mg/l (LM)
	0.188 mg/l (OM)
EC50/48 h	0.126 mg/l (DM)

- **12.2 Persistence and degradability** *Easily eliminable from water.*
- **Other information:**  
*By abiotic processes, e.g. adsorption on activated sludge the product could be eliminated largely out of the water.*
- **12.3 Bioaccumulative potential** *Non significant accumulation in organisms*
- **Other information:**  
*Based on the structural properties of the polymeric part the product is not fully biodegradable.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Endocrine disrupting properties**  
*The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects** *No further relevant information available.*
- **Behaviour in sewage processing plants:**  
*By adding low concentrations to the process in biological wastewater treatment installations disturbance of the degradation of activated sludge is not expected.*
- **Additional ecological information:**
- **General notes:**  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*  
*Do not allow large quantities to reach sewage system or surface water.*  
*According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.*  
*Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.*

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

*Smaller quantities can be disposed of with household waste.*  
*Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.*

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- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agents:** *Warm water, if necessary together with cleansing agents.*

#### SECTION 14: Transport information

· <b>14.1 UN number or ID number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	<i>Void</i>
· <b>14.2 UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	<i>Void</i>
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	<i>Void</i>
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	<i>Void</i>
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	<i>No</i>
· <b>14.6 Special precautions for user</b>	<i>Not applicable.</i>
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	<i>Not applicable.</i>
· <b>Transport/Additional information:</b>	<i>Not classified as hazardous under transport regulations.</i>
· <b>UN "Model Regulation":</b>	<i>Void</i>

#### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

*None of the ingredients is listed.*

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

*None of the ingredients is listed.*

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

*None of the ingredients is listed.*

· **National regulations:**

· **Waterhazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

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

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### 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**

*H301 Toxic if swallowed.*  
*H302 Harmful if swallowed.*  
*H310 Fatal 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.*  
*H400 Very toxic to aquatic life.*  
*H410 Very toxic to aquatic life with long lasting effects.*

- **Department issuing SDS:** R&D department

- **Contact:** Veiligheidsafdeling / Safety department

- **Date of previous version:** 29.09.2022

- **Version number of previous version:** 2

- **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*ADR: Accord relatif au transport international 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)*

*DNEL: Derived No-Effect Level (UK REACH)*

*PNEC: Predicted No-Effect Concentration (UK REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 3: Acute toxicity – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Acute Tox. 2: Acute toxicity – Category 2*

*Skin Corr. 1C: Skin corrosion/irritation – Category 1C*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Skin Sens. 1: Skin sensitisation – Category 1*

*Skin Sens. 1A: Skin sensitisation – Category 1A*

*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*

- \* **Data compared to the previous version altered.**