

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

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

- **1.1 Product identifier**
- **Trade name:** **Planarit 122**
- **Article number:** 04.122
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Planatol GmbH
Fabrikstr. 30 - 32
83101 Rohrdorf
Email: info@planatol.de
Tel.: +49 (8031) 720-0
- **Informing department:** Product safety department.
- **1.4 Emergency telephone number:** Infraserb GmbH & Co. Höchst KG
+49 69 305 6418

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 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:** EUH208 Contains formaldehyde. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Condensate based on: formaldehyde, urea
- **Dangerous components:** Void
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

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(Contd. on page 2)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 1)

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
Then consult doctor.
- **After swallowing** Rinse out mouth and then drink plenty of 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** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** Formation of poisonous gases during heating or in fires.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

(Contd. on page 3)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

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Trade name: Planarit 122

(Contd. of page 2)

- **Information about protection against explosions and fires:** Dust can combine with air to form an explosive mixture.
Protect against electrostatic charges.
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Keep container tightly sealed.
Store in cool and dry location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.
- **Storage class** 11 (TRGS 510)
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with limit values that require monitoring at the workplace:**

CAS: 50-00-0 formaldehyde

BOELV	Short-term value: 0.74 mg/m ³ , 0.6 ppm Long-term value: 0.37 (0.62)* mg/m ³ , 0.3 (0.5)* ppm Skin sens; *health/funeral/embalming till 11/7/24
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· **DNELs**

CAS: 50-00-0 formaldehyde

Oral	DNEL long-term exposition - systemic effects	4.1 mg/kg (Consumer)
Dermal	DNEL long-term exposition - systemic effects	240 mg/kg (worker) 102 mg/kg (Consumer)
Inhalative	DNEL long-term exposition - local effects	0.012 mg/cm ² (Consumer)
	DNEL long-term exposition - systemic effects	3.2 mg/m ³ (Consumer)
	DNEL acute exposition - systemic and local effects	0.75 mg/m ³ (worker)
	DNEL long-term exposition - systemic and local	0.375 mg/m ³ (worker)
	DNEL long-term exposition - local effects	0.1 mg/m ³ (Consumer)

· **PNECs**

CAS: 50-00-0 formaldehyde

PNEC fresh water	0.44 mg/l (fresh water)
PNEC seawater	0.44 mg/l (seawater)
PNEC ground	0.2 mg/kg (ground)
PNEC sewage treatment plant	0.19 mg/l (sewage treatment plant)
PNEC temporary release	4.4 mg/l (temporary release)

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

(Contd. on page 4)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 3)

- **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** Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Breathing protection in case of dust formation
Filter P3.
- **Hand protection** Protective gloves (EN 374)
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** White
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** 120 °C
- **Boiling point or initial boiling point and boiling range** Not determined
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** >200 °C
- **Ignition temperature:** 480 °C
- **Decomposition temperature:** Not determined.
- **pH at 20 °C** 5-6
- **Viscosity:**
- **Kinematic viscosity** Not applicable.
- **dynamic:** Not applicable.
- **Solubility**
- **Water:** Not miscible or difficult to mix
- **Partition coefficient n-octanol/water (log value)** Not determined.

(Contd. on page 5)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 4)

· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density	Not determined
· Relative density	Not determined.
· Settled apparent density	600 kg/m ³
· Vapour density	Not determined.
· Particle characteristics	See item 3.

· 9.2 Other information	
· Appearance:	
· Form:	Powder
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Change in condition	
· Softening point/range	
· Oxidising properties	Not applicable.
· Evaporation rate	Not determined.

· 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

(Contd. on page 6)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 5)

· **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 decomposition if used and stored according to specifications.

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

Risk of spontaneous polymerization in the presence of strong acids, bases and peroxides. During processing with acids, water and / or heat formaldehyde will be released, which may act as a sensitizer.

· **10.4 Conditions to avoid**

avoid overheating
Avoid dust formation
> 40 °C

Protect from humidity and keep away from water.

· **10.5 Incompatible materials:**

Organic Peroxides, strong bases, strong acids, acid anhydrides

(Contd. on page 7)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 6)

· **10.6 Hazardous decomposition products:**

Formaldehyde

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 that are relevant for classification:**

Oral	LD50	>10,000 mg/kg (rat)
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CAS: 50-00-0 formaldehyde

Oral	LD50	>200 mg/kg (rat)
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· **Specific symptoms in biological assay:**

rat (by inhalation): 8 h (IRT)

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

· **Skin corrosion/irritation**

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

· **Serious eye damage/irritation**

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

· **Respiratory or skin sensitisation**

After continuous contact with the skin, sensitization cannot be excluded.

· **Germ cell mutagenicity**

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

· **Carcinogenicity**

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

· **Reproductive toxicity**

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

· **STOT-single exposure**

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

· **STOT-repeated exposure**

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

· **Aspiration hazard**

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

· **Other information (about experimental toxicology):**

The toxicological data mentioned are derived from a similar product.

(Contd. on page 8)

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

Printing date 21.10.2022

Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 7)

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.
The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

LC50 / 96 h >500 mg/l (Leuciscus idus)

· 12.2 Persistence and degradability

Moderately/partly eliminable from water.
The substance can be virtually eliminated from water in suitable effluent treatment plants by biodegradation, stripping and mechanical separation.

· 12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

· 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

· Remark:

If appropriate low concentration are introduced to biological treatment plants no inhibition of the degradation activity of the activated sludge is to be anticipated.

· Other information:

local water management regulations have to be observed

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed of together with household garbage.
Do not allow product to reach sewage system.
Disposal according to local regulations.

· Waste disposal key number:

According to the European waste listing (Europäischer Abfallkatalog EAK), no waste key code can be determined as such a code depends on the individual application of the product by its user. The national and local legal guidelines are to be observed.

(Contd. on page 9)

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

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Version number 3.0 (replaces version 2.0)

Revision: 21.10.2022

Trade name: Planarit 122

(Contd. of page 8)

- **Uncleaned packagings:**
- **Recommendation:**

Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|------------------------|
| · 14.1 UN number or ID number | <i>not applicable</i> |
| · ADR, ADN, IMDG, IATA | <i>Void</i> |
| · 14.2 UN proper shipping name | <i>not applicable</i> |
| · ADR, ADN, IMDG, IATA | <i>Void</i> |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | <i>Void</i> |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | <i>Void</i> |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | <i>No</i> |
| · 14.6 Special precautions for user | <i>Not applicable.</i> |
| · 14.7 Maritime transport in bulk according to IMO instruments | <i>Not applicable.</i> |
| · UN "Model Regulation": | <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.*
- **REGULATION (EC) No 1907/2006 ANNEX XVII** *Conditions of restriction: 65, 72*
- **National regulations**
- **Water hazard 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.*

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:**

*Planatol GmbH
info@planatol.de*

(Contd. on page 10)

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

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Trade name: Planarit 122

(Contd. of page 9)

- **Contact:** S.O.
- **Date of previous version:** 10.12.2021
- **Version number of previous version:** 2.0
- **Abbreviations and acronyms:**
 - 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 (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
- *** Data compared to the previous version altered.**

EU