

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006, Article 31

Print date: 21.10.2022

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

1.1 Product identifier

Trade name: Planarit 106

Article number: 04.106

UFI: VV00-70PC-V007-FYV9

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

No further relevant information available.

Use of the substance/mixture: Adhesive

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Planatol GmbH
Fabrikstr. 30-32
83101 Rohrdorf
Germany

Email: info@planatol.de

Telephone: +49 (8031) 720-0

Information department: Dangerous Goods/Hazardous Substances Department

1.4 Emergency telephone number

Infraserv GmbH & Co. Höchst KG

Emergency telephone: +49 69 305 6418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:

GHS07

- **Skin Irrit. 2 — H315:** Causes skin irritation.
- **Skin Sens. 1 — H317:** May cause an allergic skin reaction.

2.2 Label elements

The product is classified and labelled according to the CLP Regulation.

Hazard pictogram: GHS07

Signal word: Warning

Hazard-determining component for labelling: Formaldehyde

Hazard statements:

- **H315:** Causes skin irritation.
- **H317:** May cause an allergic skin reaction.

Precautionary statements:

- **P264:** Wash thoroughly after handling.
- **P280:** Wear protective gloves.
- **P303+P361+P353:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- **P332+P313:** If skin irritation occurs: Get medical advice/attention.
- **P362+P364:** Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Condensation product of urea-formaldehyde.

Hazardous ingredient:

- **CAS:** 12125-02-9
- **EINECS:** 235-186-4
- **Substance:** Ammonium chloride
- **Classification:** Acute Tox. 4, H302; Eye Irrit. 2, H319
- **Concentration:** <2.5%

The wording of the listed hazard statements is provided in Section 16.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General information: Immediately remove clothing contaminated with the product.

After inhalation: Supply fresh air. If symptoms occur, consult a doctor.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Immediately rinse eyes with plenty of running water for at least 15 minutes with the eyelids open. Consult a doctor.

After swallowing: Rinse mouth and drink plenty of water.

4.2 Most important acute and delayed symptoms and effects

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-extinguishing measures appropriate to the surrounding conditions.

Unsuitable extinguishing agents for safety reasons: Water in a full jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Special protective equipment: In case of surrounding fires, wear respiratory protective equipment.

Do not inhale explosion or fire gases.

Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Observe the usual precautions for handling chemicals.

Wear personal protective clothing.

6.2 Environmental precautions

Do not allow the product to enter sewage systems, surface water, or groundwater.

6.3 Methods and material for containment and cleaning up

Collect mechanically.

6.4 Reference to other sections

For information on safe handling, see Section 7.

For information on personal protective equipment, see Section 8.

For information on disposal, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/extraction at the workplace.

Fire and explosion protection: Dust can form an explosive mixture with air.

Take measures against electrostatic charging.

Keep ignition sources away. Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers: Keep containers tightly closed.

Store in a cool place.

Storage with other materials: Store separately from foodstuffs.

Further information: Store cool and dry in tightly closed containers.

Storage class: 11 (TRGS 510)

Classification according to the German Ordinance on Industrial Safety and Health (BetrSichV): —

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace exposure limits:

CAS 57-11-4 — Stearic acid

MAK: See Sections IIb and Xc.

CAS 50-00-0 — Formaldehyde

AGW long-term value: **0.37 mg/m³, 0.3 ml/m³**

2(I); AGS, Sh, Y, X

DNEL values**CAS 12125-02-9 — Ammonium chloride**

- Oral: 55.2 mg/kg — consumer
- Dermal: 128.9 mg/kg — worker
- Dermal: 55.2 mg/kg — consumer
- Inhalation: 43.97 mg/m³ — worker
- Inhalation: 9.4 mg/m³ — consumer

CAS 50-00-0 — Formaldehyde

- Oral: 4.1 mg/kg — consumer
- Dermal: 240 mg/kg — worker
- Dermal: 102 mg/kg — consumer
- Dermal: 0.012 mg/cm² — consumer
- Inhalation: 0.1 mg/m³ — consumer
- Inhalation: 0.75 mg/m³ — worker
- Inhalation: 0.375 mg/m³ — worker
- Inhalation: 3.2 mg/m³ — consumer

PNEC values**Ammonium chloride:**

- Fresh water: 0.25 mg/l
- Marine water: 0.025 mg/l
- Soil: 50.7 mg/kg
- Sewage treatment plant: 13.1 mg/l
- Sporadic release: 0.43 mg/l

Formaldehyde:

- Fresh water: 0.44 mg/l
- Marine water: 0.44 mg/l
- Soil: 0.2 mg/kg
- Sewage treatment plant: 0.19 mg/l
- Sporadic release: 4.4 mg/l

8.2 Exposure controls**General protective and hygienic measures:**

Do not eat, drink, smoke, or sniff while working.

Do not inhale dust/fumes/mist.

Wash hands before breaks and at the end of work.

Respiratory protection: Respiratory protection in case of dust formation.

Filter: P3

Hand protection: Chemical-resistant protective gloves — EN 374.

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

Selection of glove material must take into account breakthrough times, permeation rates, and degradation.

The exact breakthrough time must be obtained from the protective glove manufacturer and 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

Colour: White

Odour: Product-specific

Odour threshold: Not determined

Melting/freezing point: 120 °C

Boiling point/range: Not determined

Flammability: Not determined

Lower/upper explosion limits: Not determined

Flash point: >200 °C

Ignition temperature: 370 °C

Decomposition temperature: Not determined

pH at 20 °C: 6

Kinematic viscosity: Not applicable

Dynamic viscosity: Not applicable

Water solubility: Not or only slightly miscible

Partition coefficient n-octanol/water: Not determined

Vapour pressure: Not applicable

Density: Not determined

Relative density: Not determined

Bulk density: 600 kg/m³

Vapour density: Not determined

Form: Powder

Ignition: The product is not self-igniting.

Explosive properties: The product is not explosive.

Oxidizing properties: Not applicable.

Evaporation rate: Not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition when stored and handled according to specifications.

10.2 Chemical stability

No decomposition when 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, the product reacts with acids, water and/or heat, producing free formaldehyde, which may have a sensitizing effect.

10.4 Conditions to avoid

Avoid overheating.

Avoid dust formation.

Protect from air humidity and water.

Temperature: >40 °C

10.5 Incompatible materials

Organic peroxides, strong bases, strong acids, acid anhydrides.

10.6 Hazardous decomposition products

Formaldehyde.

SECTION 11: Toxicological information

11.1 Information on hazard classes

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

Ammonium chloride — oral LD50: 1,650 mg/kg (rat)

Specific symptoms in animal testing:

Rat, inhalation, 8-hour IRT (Inhalation Risk Test): No mortality within 8 hours in animal testing. When inhaling a vapour-air mixture highly concentrated according to volatility, there is no acute hazard.

Skin corrosion/irritation: The product was not tested. The statement was derived from substances/products of similar structure or composition.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Maximization test on guinea pigs (GPMT) indicates skin sensitization.

Germ cell mutagenicity: Classification criteria are not met based on available data.

Carcinogenicity: Classification criteria are not met based on available data.

Reproductive toxicity: Classification criteria are not met based on available data.

Specific target organ toxicity — single exposure: Classification criteria are not met.

Specific target organ toxicity — repeated exposure: Classification criteria are not met.

Aspiration hazard: Classification criteria are not met.

Other toxicological information: The toxicological data provided were determined by analogy.

11.2 Information on other hazards

Endocrine-disrupting properties: None of the ingredients are contained.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: With a high degree of probability, the product is not acutely harmful to aquatic organisms.

Proper discharge of low concentrations into biological sewage treatment plants is not expected to disrupt activated-sludge biodegradability.

Aquatic toxicity value: >500 mg/l (*Leuciscus idus*)

12.2 Persistence and degradability

Moderately/partially removable from water.

In suitable sewage treatment plants, extensive removal from water occurs through biological degradation, 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 contains no substances with endocrine-disrupting properties.

12.7 Other adverse effects

At low concentrations, when properly introduced into biological sewage treatment plants, disruption of activated-sludge degradation activity is not expected.

Local drainage regulations must be observed.

Water hazard class: 1 according to AwSV Annex 1, Number 5.2 — slightly hazardous to water.

Do not allow undiluted product or large quantities to enter groundwater, bodies of water, or sewage systems.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Do not dispose of together with household waste.

Do not allow product to enter the sewage system.

Dispose of according to local official regulations.

Waste code number: Waste code numbers are based largely on the application. The applicable waste code can be determined from the European Waste Catalogue.

Uncleaned packaging: Dispose of according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

Not applicable.

ADR, ADN, IMDG, IATA: Not applicable.

14.2 UN proper shipping name

Not applicable.

ADR, ADN, IMDG, IATA: Not applicable.

14.3 Transport hazard class

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Marine pollutant: No.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

UN Model Regulation: Not applicable.

SECTION 15: Regulatory information

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

Directive 2012/18/EU — Annex I: None of the ingredients are listed.

Regulation (EC) No. 1907/2006 — Annex XVII restriction conditions: 65, 72.

National regulations — Water hazard class:

WGK 1 according to AwSV Annex 1, Number 5.2 — slightly hazardous to water.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The information is based on the current state of our knowledge. It does not constitute a guarantee of product properties and does not establish a contractual legal relationship.

Relevant hazard statements

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

Department issuing the safety data sheet

Planatol GmbH
info@planatol.de

Contact person

See above.

Date of previous version

20.10.2022

Abbreviations and acronyms

ADR: 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

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very Persistent and Very Bioaccumulative

Acute Tox. 4: Acute toxicity — Category 4

Skin Irrit. 2: Skin irritation/corrosion — Category 2

Eye Irrit. 2: Serious eye damage/eye irritation — Category 2

Skin Sens. 1: Skin sensitization — Category 1

Changes compared with the previous version: Data changed compared with the previous version.