

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 10.07.2012

Version number 33

Revision: 16.07.2010

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

- **Product identifier**
- **Trade name:** profilan-prevent
- **Article number:** W702201
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**  
   Priming  
   Wood preservatives  
   Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
   RÜTGERS Organics GmbH  
   Oppauer Straße 43  
   D-68305 Mannheim  
   Tel.: \*\*49-621-76540  
   US: 1-980-253-8880  
   Fax : \*\*49-621-7654446  
   e-mail: SDB.rog@ruetgers-organics.de
- **Informing department:** see: Heading 16 (Contact)
- **Emergency telephone number:** see: Manufacturer/Supplier

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

void



Xi; Sensitising

R43: May cause sensitisation by skin contact.



N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**

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

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

- **Hazard pictograms** GHS07, GHS09

- **Signal word** Warning

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- **Hazard-determining components of labelling:**

3-Iodo-2-propynylbutylcarbamate

- **Hazard statements**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Contains 3-Iodo-2-propynylbutylcarbamate, permethrin (ISO), Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo(4,5-d)imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.

- **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture consisting of the following components.

- **Dangerous components:**

CAS: 55406-53-6 EINECS: 259-627-5	3-Iodo-2-propynylbutylcarbamate ☒ Xn R20/22; ☒ Xi R37-41; ☒ Xi R43; ☒ N R50 ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; ☠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	< 2%
CAS: 5395-50-6 EINECS: 226-408-0	Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo(4,5-d)imidazole-2,5(1H,3H)-dione ☒ Xi R43 ☠ Skin Sens. 1, H317	< 0.5%
CAS: 52645-53-1 EINECS: 258-067-9 Index number: 613-058-00-2	permethrin (ISO) ☒ Xn R20/22; ☒ Xi R43; ☒ N R50/53 ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	< 0.1%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**

- **After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact**

Clean affected area with soap and plenty of water.

If skin irritation continues, consult a doctor.

- **After eye contact** Rinse opened eye for several minutes under running water.

- **After swallowing** In case of persistent symptoms consult doctor.

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- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Dilute with much water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **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.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Precautions against electrostatic charging.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Keep container tightly closed in a cool and dry place.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components 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.  
Not required.

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**111-76-2 2-butoxyethanol (< 0.5%)**

WEL Short-term value: 50 ppm  
 Long-term value: 25 ppm  
 Sk

**34590-94-8 (2-methoxymethylethoxy)propanol (< 0.1%)**

WEL Long-term value: 308 mg/m<sup>3</sup>, 50 ppm  
 Sk

**7664-41-7 ammonia, anhydrous (< 0.01%)**

WEL Short-term value: 25 mg/m<sup>3</sup>, 35 ppm  
 Long-term value: 18 mg/m<sup>3</sup>, 25 ppm

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

• **Exposure controls**

• **Personal protective equipment**

• **General protective and hygienic measures**

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

• **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

• **Protection of hands:**

Protective gloves.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:** Safety glasses recommended during refilling.

• **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

• **Information on basic physical and chemical properties**

• **General Information**

• **Appearance:**

Form: Fluid

Colour: According to product specification

• **Odour:** Characteristic

• **Odour threshold:** Not determined.

• **pH-value at 20°C:** 7.5

• **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100°C

• **Flash point:** > 100°C

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• <b>Inflammability (solid, gaseous)</b>	Not applicable.
• <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
• <b>Self-inflammability:</b>	Product is not selfigniting.
• <b>Danger of explosion:</b>	Product is not explosive.
• <b>Critical values for explosion:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
• <b>Vapour pressure at 20°C:</b>	23 hPa
• <b>Density at 20°C</b>	1.007 g/cm <sup>3</sup>
• <b>Relative density</b>	Not determined.
• <b>Vapour density</b>	Not determined.
• <b>Evaporation rate</b>	Not determined.
• <b>Solubility in / Miscibility with Water:</b>	Fully miscible
• <b>Segregation coefficient (n-octanol/water):</b>	Not determined.
• <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic at 20°C:</b>	10 s (ISO 4 mm)
• <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.5 %
<b>Water:</b>	85.1 %
<b>Solids content:</b>	11.0 %
• <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### 52645-53-1 permethrin (ISO)

Oral	LD50	1479 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>4000 mg/kg (Oryctolagus cuniculus (eur. Kaninchen)) >2000 mg/kg (Rattus norvegicus (Ratte))
Inhalative	LC50/4 h	> 0.599 mg/l (Rattus norvegicus (Ratte))

- **Primary irritant effect:**
- **on the skin:** No irritant effect.

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- **on the eye:** No irritant effect.
- **Sensitization:**  
Sensitizing effect by skin contact is possible by prolonged exposure.  
Sensitization possible by skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**52645-53-1 permethrin (ISO)**

IC50	0.5 mg/l (Selenastrum capricornutum)
	0.17 ug/l (Daphnia magna)
LC50(96 h)	0.0076 mg/l (Poecilia reticulata)

- **Persistence and degradability** No further relevant information available.

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Remark:** Very toxic for fish

- **Additional ecological information:**

- **General notes:**

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Remove in accordance with the local official recommendations.

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

- **European waste catalogue**

03 00 00	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 02 00	wastes from wood preservation
03 02 02*	organochlorinated wood preservatives

- **Uncleaned packagings:**

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

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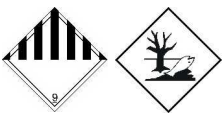

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### 14 Transport information

<ul style="list-style-type: none"> <li>• Substance Index Number</li> <li>• ADR, IMDG, IATA</li> </ul>	UN3082
<ul style="list-style-type: none"> <li>• UN proper shipping name</li> <li>• ADR</li> <li>• IMDG, IATA</li> </ul>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO)) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO))
<ul style="list-style-type: none"> <li>• Transport hazard class(es)</li> <li>• ADR, IATA</li> </ul>	
	
<ul style="list-style-type: none"> <li>• Class</li> <li>• Label</li> </ul>	9 Miscellaneous dangerous substances and articles. 9
<ul style="list-style-type: none"> <li>• IMDG</li> </ul>	
	
<ul style="list-style-type: none"> <li>• Class</li> <li>• Label</li> </ul>	9 Miscellaneous dangerous substances and articles. 9
<ul style="list-style-type: none"> <li>• Packing group</li> <li>• ADR, IMDG, IATA</li> </ul>	III
<ul style="list-style-type: none"> <li>• Environmental hazards:</li> <li>• Marine pollutant:</li> <li>• Special marking (ADR):</li> <li>• Special marking (IATA):</li> </ul>	No Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none"> <li>• Special precautions for user</li> <li>• Hazard Index Number:</li> <li>• EMS Number:</li> </ul>	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F
<ul style="list-style-type: none"> <li>• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>• Transport/Additional information:</li> </ul>	
<ul style="list-style-type: none"> <li>• ADR</li> <li>• Tunnel restriction code</li> </ul>	E
<ul style="list-style-type: none"> <li>• UN "Model Regulation":</li> </ul>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO)), 9, III

### 15 Regulatory information

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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### 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.*

*It is the responsibility of the user to assure himself that the information provided with this material safety data sheet is complete and applicable for his utilization of the product.*

- **Relevant phrases**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R20/22 Harmful by inhalation and if swallowed.

R37 Irritating to respiratory system.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Department issuing data specification sheet:** Product safety department, Mannheim

- **Contact:**

RÜTGERS Organics

Product Safety

Tel. \*\*49 / 621 7654 247

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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