

# Safety data sheet

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

Printing date 10.07.2012

Version number 38

Revision: 10.01.2011

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

- **Product identifier**
- **Trade name:** profilan-opac 9110 birkenweiss
- **Article number:** W711410
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**  
Lacquer  
Wood coating  
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**  
.....  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
.....  
R52/53: Harmful 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** Void
- **Signal word** Void
- **Hazard statements**  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P273 Avoid release to the environment.  
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.

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





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**• Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0	2-butoxyethanol  Xn R20/21/22;  Xi R36/38  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2%
	Nonylphenolethoxylatphosphat  C R34;  N R51/53  Skin Corr. 1B, H314;  Aquatic Chronic 2, H411	< 1%
CAS: 330-54-1 EINECS: 206-354-4 Index number: 006-015-00-9	Diuron (ISO)  Xn R22-40-48/22;  N R50/53 Carc. Cat. 3  Carc. 2, H351; STOT RE 2, H373;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	< 0.5%

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

**• 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).

**• 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** Precautions against electrostatic charging.

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- **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:** No special requirements.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.
- **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.

#### 111-76-2 2-butoxyethanol (< 2%)

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

#### 34590-94-8 (2-methoxymethylethoxy)propanol (< 0.5%)

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

#### 330-54-1 Diuron (ISO) (< 0.5%)

WEL	Long-term value: 10 mg/m <sup>3</sup>
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#### 112-34-5 2-(2-butoxyethoxy)ethanol (< 0.5%)

WEL	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm

#### 7664-41-7 ammonia, anhydrous (< 0.05%)

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

#### 1310-73-2 sodium hydroxide (< 0.05%)

WEL	Short-term value: 2 mg/m <sup>3</sup>
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#### 111-46-6 2,2'-oxybisethanol (< 0.01%)

WEL	Long-term value: 101 mg/m <sup>3</sup> , 23 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

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

- **Breathing equipment:** Not required.

- **Protection of hands:**

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**

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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.

Not applicable

• **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.

Not applicable

• **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:**

8.6

• **Change in condition**

Melting point/Melting range:

Not determined

Boiling point/Boiling range:

100°C

• **Flash point:**

> 100°C

• **Inflammability (solid, gaseous)**

Not applicable.

• **Ignition temperature:**

Decomposition temperature:

Not determined.

• **Self-inflammability:**

Product is not selfigniting.

• **Danger of explosion:**

Product is not explosive.

• **Critical values for explosion:**

Lower:

Not determined.

Upper:

Not determined.

• **Vapour pressure at 20°C:**

23 hPa

• **Density at 20°C**

1.37 g/cm<sup>3</sup>

1,260

• **Relative density**

Not determined.

• **Vapour density**

Not determined.

• **Evaporation rate**

Not determined.

• **Solubility in / Miscibility with**

Water:

Fully miscible

• **Segregation coefficient (n-octanol/water):** Not determined.

• **Viscosity:**

dynamic at 20°C:

2200 mPas

kinematic at 20°C:

37 s (ISO 6 mm)

• **Solvent content:**

Organic solvents:

4.0 %

Water:

35.1 %

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<b>Solids content:</b> <b>• Other information</b>	53.5 % No further relevant information available.
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### 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:**

#### 330-54-1 Diuron (ISO)

Oral	LD50	4150 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>5000 mg/kg (Rattus norvegicus (Ratte))

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

#### 330-54-1 Diuron (ISO)

EC50(48 h)	1.4 mg/l (Daphnia magna)
IC50	0.022 mg/l (Scenedesmus subspicatus)
	>1000 mg/l (Bakterientoxizität)
LC50(48 h)	3.2 mg/l (Cyprinus carpio)
	7.4 mg/l (Lepomis macrochirus)
	5.8 mg/l (Carassius auratus (Goldfisch))
LC50(96 h)	25 mg/l (Poecilia reticulata)
	14.7 mg/l (Oncorhynchus mykiss)

- **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:** Harmful to 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 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Harmful to aquatic organisms

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- **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**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 12	waste paint and varnish other than those mentioned in 08 01 11

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

### 14 Transport information

<ul style="list-style-type: none"> <li>• <b>Substance Index Number</b></li> <li>• <b>ADR, ADN, IMDG, IATA</b></li> </ul>	Void
<ul style="list-style-type: none"> <li>• <b>UN proper shipping name</b></li> <li>• <b>ADR, ADN, IMDG, IATA</b></li> </ul>	Void
<ul style="list-style-type: none"> <li>• <b>Transport hazard class(es)</b></li> <li>• <b>ADR, ADN, IMDG, IATA</b></li> <li>• <b>Class</b></li> </ul>	Void
<ul style="list-style-type: none"> <li>• <b>Packing group</b></li> <li>• <b>ADR, IMDG, IATA</b></li> </ul>	Void
<ul style="list-style-type: none"> <li>• <b>Environmental hazards:</b></li> <li>• <b>Marine pollutant:</b></li> </ul>	No
<ul style="list-style-type: none"> <li>• <b>Special precautions for user</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>• <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>• <b>Transport/Additional information:</b></li> </ul>	Not a dangerous good in accordance with national and international regulations.
<ul style="list-style-type: none"> <li>• <b>UN "Model Regulation":</b></li> </ul>	-

### 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.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H351 Suspected of causing cancer.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 R22 Harmful if swallowed.  
 R34 Causes burns.  
 R36/38 Irritating to eyes and skin.  
 R40 Limited evidence of a carcinogenic effect.  
 R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R51/53 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.**