

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.07.2018

Version number 9

Revision: 23.04.2018

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

- **1.1 Product identifier**
- **Trade name:** *profilan-lasol B 0000 farblos*
- **Article number:** W726001
- **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** *Coating*
- **1.3 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)
- **1.4 Emergency telephone number:** see: Manufacturer/Supplier

SECTION 2: Hazards identification

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



GHS08 health hazard

STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



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

Acute Tox. 4 H332 Harmful if inhaled.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07



GHS08



GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated heavy
Naphtha (petroleum), hydrodesulfuried heavy

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Trade name: profilan-lasol B 0000 farblos

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3-Iodo-2-propynylbutylcarbamate

naphtha (petroleum), hydrodesulphurized heavy

• Hazard statements

H332 Harmful if inhaled.

H373 May cause damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects.

• Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P405 Store locked up.

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

• Additional information:

Contains 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

• 2.3 Other hazards
• Results of PBT and vPvB assessment
• PBT: Not applicable.

• vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

• 3.2 Chemical characterisation: Mixtures
• Description: Mixture consisting of the following components.

• Dangerous components:

CAS: 64742-48-9 EINECS: 265-150-3 Index number: 649-327-00-6	Naphtha (petroleum), hydrotreated heavy ⚠ Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	>50%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	<5%
CAS: 64742-82-1 EINECS: 265-185-4 Index number: 649-330-00-2	Naphtha (petroleum), hydrodesulfurized heavy ⚠ Flam. Liq. 2, H225; ⚠ STOT RE 1, H372; ⚠ Asp. Tox. 1, H304	<2%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7	3-Iodo-2-propynylbutylcarbamate ⚠ Acute Tox. 3, H331; ⚠ STOT RE 1, H372; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); ⚠ Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; ⚠ Skin Sens. 1, H317	<1%
CAS: 107534-96-3 ELINCS: 403-640-2 Index number: 603-197-00-7	1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol ⚠ Repr. 2, H361d; ⚠ Aquatic Acute 1, H400 (M=1); ⚠ Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302	<0.5%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene, mixed isomers, pure ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315	<0.5%
CAS: 52645-53-1 EINECS: 258-067-9 Index number: 613-058-00-2	PERMETHRIN ⚠ Aquatic Acute 1, H400 (M=1000); ⚠ Aquatic Chronic 1, H410 (M=1000); ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332; ⚠ Skin Sens. 1, H317	<0.1%

• Additional information For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

- **4.1 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.
- **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**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet 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:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **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.
Prevent formation of aerosols.
Precautions against electrostatic charging.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 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:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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• 8.1 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.

112-34-5 2-(2-butoxyethoxy)ethanol

WEL Short-term value: 101.2 mg/m³, 15 ppm
Long-term value: 67.5 mg/m³, 10 ppm

1330-20-7 xylene, mixed isomers, pure

WEL Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV

• Ingredients with biological limit values:
1330-20-7 xylene, mixed isomers, pure

BMGV 650 mmol/mol creatinine
Medium: urine
Sampling time: post shift
Parameter: methyl hippuric acid

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

• 8.2 Exposure controls
• Personal protective equipment
• General protective and hygienic measures

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.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties
• General Information
• Appearance:

Form:

Fluid

Colour:

According to product specification

• **Odour:**

Characteristic

• **Odour threshold:**

Not determined.

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• pH-value:	Not determined.
• Change in condition Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	180 °C
• Flash point:	63 °C
• Inflammability (solid, gaseous)	Not applicable.
• Ignition temperature:	>200 °C
• Decomposition temperature:	Not determined.
• Self-inflammability:	Product is not selfigniting.
• Explosive properties:	Product is not explosive.
• Critical values for explosion:	
Lower:	0.6 Vol %
Upper:	6 Vol %
• Vapour pressure at 20 °C:	0.5 hPa
• Density at 20 °C	0.855 g/cm ³
• Relative density	Not determined.
• Vapour density	Not determined.
• Evaporation rate	Not determined.
• Solubility in / Miscibility with Water:	Not miscible or difficult to mix
• Partition coefficient: n-octanol/water:	Not determined.
• Viscosity:	
dynamic:	Not determined.
kinematic at 20 °C:	42 s (ISO 3 mm)
• Solvent content:	
Organic solvents:	69.3 %
Solids content:	25.6 %
• 9.2 Other information	No further relevant information available.

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 toxicological effects**
- **Acute toxicity**
Harmful if inhaled.

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• LD/LC50 values that are relevant for classification:
64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5,000 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>3,160 mg/kg (Oryctolagus cuniculus (eur. Kaninchen))
Inhalative	LC50/4 h	>12 mg/l (Rattus norvegicus (Ratte))

107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol

Oral	LD50	1,700 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>5,000 mg/kg (Rattus norvegicus (Ratte))
Inhalative	LC50/4 h	>5 mg/l (Rattus norvegicus (Ratte))

52645-53-1 PERMETHRIN

Oral	LD50	480 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (Ratte))
Inhalative	LC50/4 h	>23.5 mg/l (Rattus norvegicus (Ratte))

• Primary irritant effect:

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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**
May cause damage to the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

• 12.1 Toxicity
• Aquatic toxicity:
107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol

LC50(96 h)	4.4 mg/l (Oncorhynchus mykiss)
	5.7 mg/l (Lepomis macrochirus)
EC50(48 h)	2.79 mg/l (Daphnia magna)
EC10	1,890 mg/l (Bakterientoxizität)
EC50 (72h)	3.3 mg/l (Scenedesmus subspicatus)
	3.8 mg/l (Pseudokirchneriella subcapitata)

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LC50(96 h)	0.0051 mg/l (Oncorhynchus mykiss)
IC50	>1.13 mg/l (Pseudokirchneriella subcapitata)
IC50	0.64 ug/l (Daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

• **Remark:** Very toxic for fish

• Additional ecological information:
• General notes:

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.

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Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **12.6 Other adverse effects** No further relevant information available.

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.

• **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

SECTION 14: Transport information

• **14.1 Substance Index Number**

• **ADR, IMDG, IATA**

UN3082

• **14.2 UN proper shipping name**

• **ADR, IATA**

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN)

• **IMDG**

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN),
MARINE POLLUTANT

• **14.3 Transport hazard class(es)**

• **ADR, IMDG, IATA**



• **Class**

9 Miscellaneous dangerous substances and articles.

• **Label**

9

• **14.4 Packing group**

• **ADR, IMDG, IATA**

III

• **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: 3-Iodo-2-propynylbutylcarbamate, PERMETHRIN

• **Marine pollutant:**

Symbol (fish and tree)

• **Special marking (ADR):**

Symbol (fish and tree)

• **Special marking (IATA):**

Symbol (fish and tree)

• **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

• **Hazard Index Number:**

90

• **EMS Number:**

F-A,S-F

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• Stowage Category	A
• 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
• Transport/Additional information:	
• ADR	
• Limited quantities (LQ)	5L
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• Transport category	3
• Tunnel restriction code	E
• IMDG	
• Limited quantities (LQ)	5L
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN), 9, III

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.
- **Seveso category E1** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 55

• Regulation (EU) No 649/2012

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Annex I Part 1

- **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. 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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.

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H331 Toxic if inhaled.
 H332 Harmful if inhaled.
 H361d Suspected of damaging the unborn child.
 H372 Causes damage to the central nervous system through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

• **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)

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

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

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

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 2: Reproductive toxicity – Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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.**