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

Printing date 07.02.2024 Version number 21 (replaces version 20) Revision: 07.02.2024

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

• **1.1 Product identifier**

• **Trade name: profilan-prevent HS**

• **Article number:** W705901
• **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

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SECTION 2: Hazards identification

• **2.1 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.

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

• **Hazard-determining components of labelling:**
3-Iodo-2-propynylbutylcarbamate
propiconazole
• **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.
• **Additional information:**
Contains 3-Iodo-2-propynylbutylcarbamate, propiconazole. May produce an allergic reaction.
• **2.3 Other hazards**
• **Results of PBT and vPvB assessment**
• **PBT:** Not applicable.
• **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

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

• **Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0	2-butoxyethanol Acute Tox. 3, H311; Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LC50/4 h inhalative: 3 mg/l	<1%

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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: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole Repr. 1B, H360D; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	<0.5%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	<0.5%

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

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** Use fire fighting measures that suit the environment.
• **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.
Dilute with much water.
• **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
• **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.

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SECTION 7: Handling and storage

• **7.1 Precautions for safe handling** No special precautions necessary if used correctly.
• **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.

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• **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

• **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.

111-76-2 2-butoxyethanol	
WEL	Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm Sk, BMGV
34590-94-8 Dipropylene glycol monomethyl ether	
WEL	Long-term value: 308 mg/m³, 50 ppm Sk

• **Ingredients with biological limit values:**	
111-76-2 2-butoxyethanol	
BMGV	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid

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

• **8.2 Exposure controls**
• **Appropriate engineering controls**
Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients
• **Individual protection measures, such as personal protective equipment**
• **General protective and hygienic measures**
Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
• **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
• **Hand protection**
The glove material has to be impermeable and resistant to the product.
No recommendation to the specific glove material can be given for the product. Please refer to glove manufacurer for siutability.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
• **Material of gloves**
Nitrile rubber, NBR
Please refer to the above paragraph.
• **Penetration time of glove material**
Please refer to the glove manufacturer and the information in the paragraphs above.
• **Eye/face protection** Safety glasses recommended during refilling.
• **Body protection:**
Protective work clothing. Wear appropriate clothing to prevent any possibility of skin contact.

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SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**
• **General Information**
• **Physical state** Fluid
• **Colour:** According to product specification

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• **Odour:**	Characteristic
• **Odour threshold:**	Not determined.
• **Melting point/freezing point:**	Not determined
• **Boiling point or initial boiling point and boiling range**	>60 °C
• **Flammability**	Not applicable.
• **Lower and upper explosion limit**	
• **Lower:**	Not determined.
• **Upper:**	Not determined.
• **Flash point:**	Not applicable
• **Decomposition temperature:**	Not determined.
• **pH**	Not determined.
• **Viscosity:**	
• **Kinematic viscosity**	Not determined.
• **dynamic:**	Not determined.
• **Solubility**	
• **Water:**	Fully miscible
• **Partition coefficient n-octanol/water (log value)**	Not determined.
• **Vapour pressure:**	Not determined.
• **Density and/or relative density**	
• **Density at 20 °C**	1.00472 g/cm³
• **Relative density**	Not determined.
• **Vapour density**	Not determined.

• **9.2 Other information**	
• **Appearance:**	
• **Form:**	Fluid
• **Important information on protection of health and environment, and on safety.**	
• **Self-inflammability:**	Product is not selfigniting.
• **Explosive properties:**	Product is not explosive.
• **Solvent content:**	
• **Organic solvents:**	1.1 %
• **Water:**	79.7 %
• **Change in condition**	
• **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
• **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

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• **Desensitised explosives**	Void

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

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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:

111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	400 mg/kg (Rattus norvegicus (Ratte))
Inhalative	LC50/4 h	3 mg/l (ATE)
		217 mg/l (Rattus norvegicus (Ratte))

- **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.
- **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.
- **11.2 Information on other hazards**

• Endocrine disrupting properties

60207-90-1	propiconazole	List II

*
SECTION 12: Ecological information

- **12.1 Toxicity**

• Aquatic toxicity:

111-76-2 2-butoxyethanol

LC50(48 h)	1,800 mg/l (Leuciscus idus)
	1,490 mg/l (Lepomis macrochirus)
EC50(48 h)	>100 mg/l (Bakterientoxizität)
	1,720 mg/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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
  For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Harmful to 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.
  Harmful to aquatic organisms

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

SECTION 14: Transport information

• **14.1 UN number or ID number**	
• **ADR, ADN, IMDG, IATA**	Void
• **14.2 UN proper shipping name**	
• **ADR, ADN, IMDG, IATA**	Void
• **14.3 Transport hazard class(es)**	
• **ADR, ADN, IMDG, IATA**	
• **Class**	Void
• **14.4 Packing group**	
• **ADR, IMDG, IATA**	Void
• **14.5 Environmental hazards:**	Not applicable.
• **14.6 Special precautions for user**	Not applicable.
• **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
• **UN "Model Regulation":**	Void

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

• **Regulated explosives precursors**
None of the ingredients is listed.

• **Regulated poisons**
None of the ingredients is listed.

• **Reportable explosives precursors**
None of the ingredients is listed.

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• **Reportable poisons**
None of the ingredients is listed.

• **Directive 2012/18/EU**
• **Named dangerous substances - ANNEX I** None of the ingredients is listed.
• **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 safty data sheet is complete and applicable for his utilization of the product.

• **Relevant phrases**
H302 Harmful if swallowed.
H311 Toxic 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.
H331 Toxic if inhaled.
H360D May damage the unborn child.
H372 Causes damage to organs 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 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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
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. 1B: Reproductive toxicity – Category 1B
STOT RE 1: Specific target organ toxicity (repeated exposure) – 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
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
• ***** Data compared to the previous version altered.**