

Safety data sheet

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

Printing date 17.04.2024

Version number 68 (replaces version 67)

Revision: 17.04.2024

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

- **1.1 Product identifier**
- **Trade name: *impratec-sanol I B***
- **Article number: W732301**
- **UFI: W050-HOUM-K00K-6954**
- **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**
Wood preservatives
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**



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

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



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 GB CLP regulation.
- **Hazard pictograms**



GHS07 GHS09

- **Signal word** Warning
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated heavy
- **Hazard statements**
H332 Harmful if inhaled.
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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- P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
 Contains PERMETHRIN. 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 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: 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 | <0.5% |

- **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**
- **General information** Take affected persons into the open air.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **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.
- **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.
- **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.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use breathing protection against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
*Do not allow to enter drainage system, surface or ground water.
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.*
- **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

- **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.
- **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:**
*Only during spraying without adequate removal by suction.
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.*

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

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- **Hand protection**

Protective gloves. It is recommended that chemical-resistant, impervious gloves are worn to protect hands from chemicals. Gloves should comply with European Standard EN374.

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 manufacturer for suitability.

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.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Different according to colour

- **Odour:**

Mild

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

-20 °C

- **Boiling point or initial boiling point and boiling range**

>180 °C

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

0.6 Vol %

- **Upper:**

6 Vol %

- **Flash point:**

>61 °C

- **Auto-ignition temperature:**

2,240 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Mixture is non-soluble (in water).

Not applicable

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **dynamic:**

Not determined.

- **Solubility**

- **Water:**

Not miscible or difficult to mix

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure at 20 °C:**

0.5 hPa

- **Vapour pressure at 50 °C:**

4 hPa

- **Density and/or relative density**

- **Density at 20 °C**

0.79 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.

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- | | |
|--------------------------------|---------------------------|
| • Explosive properties: | Product is not explosive. |
| • Solvent content: | |
| • Organic solvents: | 99.7 % |
| • 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 |
| • 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

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.

• **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)) |

• **Specific symptoms in biological assay:**

LD50 (orl-rat): > 5000 mg/kg
LD50 (skn-rat): > 2000 mg/kg

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• 11.2 Information on other hazards

• Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

• 12.1 Toxicity

• **Aquatic toxicity:** No further relevant information available.

• **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.

• **vPvB:** Not applicable.

• 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

• 12.7 Other adverse effects

• **Remark:** Very toxic for fish

• Additional ecological information:

• General notes:

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

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

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

SECTION 13: Disposal considerations

• 13.1 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.

SECTION 14: Transport information

• 14.1 UN number or ID number

• **ADR, IMDG, IATA**

UN3082

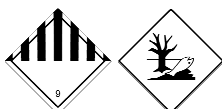
• 14.2 UN proper shipping name

• **ADR, IMDG, IATA**

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

• 14.3 Transport hazard class(es)

• **ADR, IMDG, IATA**



• **Class**

9 Miscellaneous dangerous substances and articles.

• **Label**

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| | |
|---|--|
| <ul style="list-style-type: none"> • 14.4 Packing group • ADR, IMDG, IATA | III |
| <ul style="list-style-type: none"> • 14.5 Environmental hazards: • Marine pollutant: • Special marking (ADR): • Special marking (IATA): | No Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree) |
| <ul style="list-style-type: none"> • 14.6 Special precautions for user • Hazard Index Number: • EMS Number: | Warning: Miscellaneous dangerous substances and articles. 90 F-A, S-F |
| <ul style="list-style-type: none"> • 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| <ul style="list-style-type: none"> • Transport/Additional information: | |
| <ul style="list-style-type: none"> • ADR • Limited quantities (LQ) • Excepted quantities (EQ) | 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| <ul style="list-style-type: none"> • Transport category • Tunnel restriction code | 3 E |
| <ul style="list-style-type: none"> • IMDG • Limited quantities (LQ) • Excepted quantities (EQ) | 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| <ul style="list-style-type: none"> • 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**

• **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.

• **Reportable poisons**

None of the ingredients is listed.

• **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

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- **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**

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

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:**

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

ICAO: International Civil Aviation Organisation

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

Acute Tox. 4: Acute toxicity – Category 4

Skin Sens. 1: Skin sensitisation – Category 1

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.**