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

*Printing date 08.02.2024* *Version number 15 (replaces version 14)* *Revision: 23.01.2024*

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

• **1.1 Product identifier**

• **Trade name: impralan-Füller F710 farblos**

• **Article number:** W721301
• **UFI:** FM30-E0T8-P00N-MTU3
• **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**

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

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**

GHS07

• **Signal word** Warning

• **Hazard-determining components of labelling:**
1,2-Benzisothiazol-3(2H)-on
2,4,7,9-Tetramethyldec-5-in-4,7-diol
• **Hazard statements**
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
• **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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• **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: 34590-94-8<br>EINECS: 252-104-2 | Dipropylene glycol monomethyl ether<br>substance with a Community workplace exposure limit | <5% |
| CAS: 64742-48-9<br>EINECS: 265-150-3<br>Index number: 649-327-00-6 | Naphtha (petroleum), hydrotreated heavy<br>Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336 | <5% |
| | Kohlenwasserstoffe, C14-C18, n-Alkane, Isoalkane, Zyklen, <2% Aromaten<br>Asp. Tox. 1, H304 | <5% |
| CAS: 107-21-1<br>EINECS: 203-473-3<br>Index number: 603-027-00-1 | ethane-1,2-diol<br>Acute Tox. 4, H302 | 0-<1% |
| CAS: 84643-53-8<br>EINECS: 283-450-2 | (2-hydroxyethyl)(2-hydroxyhexadecyl)dimethylammonium chloride<br>Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | <1% |
| CAS: 126-86-3<br>EINECS: 204-809-1 | 2,4,7,9-Tetramethyldec-5-in-4,7-diol<br>Eye Dam. 1, H318; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 | 0-<0.5% |
| CAS: 2634-33-5<br>EINECS: 220-120-9<br>Index number: 613-088-00-6 | 1,2-Benzisothiazol-3(2H)-on<br>Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317<br>Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 % | <0.1% |
| CAS: 3811-73-2<br>EINECS: 223-296-5<br>Index number: 613-344-00-7 | Pyridin-2-thiol-1-oxid, Natriumsalz<br>Acute Tox. 3, H311; Acute Tox. 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317<br>ATE: LD50 oral: 500 mg/kg<br>LD50 dermal: 790 mg/kg<br>LC50/4 h inhalative: 0.5 mg/l | 0-<0.01% |
| CAS: 108-88-3<br>EINECS: 203-625-9<br>Index number: 601-021-00-3 | toluene<br>Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 | <0.01% |
| CAS: 112-34-5<br>EINECS: 203-961-6<br>Index number: 603-096-00-8 | 2-(2-butoxyethoxy)ethanol<br>Eye Irrit. 2, H319 | <0.01% |

• **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 and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.
- **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.

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## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **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).
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.

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## 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.



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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.

| | |
|---|---|
| **34590-94-8 Dipropylene glycol monomethyl ether** | |
| WEL | Long-term value: 308 mg/m³, 50 ppm<br>Sk |
| **107-21-1 ethane-1,2-diol** | |
| WEL | Short-term value: 104** mg/m³, 40** ppm<br>Long-term value: 10* 52** mg/m³, 20** ppm<br>Sk *particulate **vapour |
| **108-88-3 toluene** | |
| WEL | Short-term value: 384 mg/m³, 100 ppm<br>Long-term value: 191 mg/m³, 50 ppm<br>Sk |
| **112-34-5 2-(2-butoxyethoxy)ethanol** | |
| WEL | Short-term value: 101.2 mg/m³, 15 ppm<br>Long-term value: 67.5 mg/m³, 10 ppm |

- **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**
Take off immediately all contaminated clothing
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:** Not required.
- **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 manufacurer for siutability.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves** 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** | 100 °C |
| • **Flammability** | Not applicable. |
| • **Lower and upper explosion limit** | |
| • **Lower:** | Not determined. |
| • **Upper:** | Not determined. |
| • **Flash point:** | Not applicable |
| • **Decomposition temperature:** | Not determined. |
| • **pH at 20 °C** | 8.5 |
| • **Viscosity:** | |
| • **Kinematic viscosity at 20 °C** | 12 s (DIN 53211/4) |
| • **dynamic:** | Not determined. |
| • **Solubility** | |
| • **Water:** | Fully miscible |
| • **Partition coefficient n-octanol/water (log value)** | Not determined. |
| • **Vapour pressure at 20 °C:** | 23 hPa |
| • **Density and/or relative density** | |
| • **Density at 20 °C** | 1.017 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:** | 8.5 % |
| • **Water:** | 12.8 % |
| • **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:**

**68938-54-5 Siloxanes and silicones, dimethyl,3-hydroxypropyl methyl, ethers with polyethylene glycol monomethyl ether**

| | | |
|---|---|---|
| Oral | LD50 | >2,000 mg/kg (Rattus norvegicus (Ratte)) |
| Inhalative | LC50/4 h | 1.08 mg/l (Rattus norvegicus (Ratte)) |

- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **11.2 Information on other hazards**

• **Endocrine disrupting properties**

None of the ingredients is listed.

* 
## SECTION 12: Ecological information

- **12.1 Toxicity**

• **Aquatic toxicity:**

**68938-54-5 Siloxanes and silicones, dimethyl,3-hydroxypropyl methyl, ethers with polyethylene glycol monomethyl ether**

| | |
|---|---|
| LC50(96 h) | 2.1 mg/l (Oncorhynchus mykiss) |
| EC50(48 h) | 28.2 mg/l (Algea) |
| EC50 (96 h) | 1.1 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.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
  The product does not contain substances with endocrine disrupting properties.
- **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.

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*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:** | |
| • **Marine pollutant:** | *No* |
| • **14.6 Special precautions for user** | *Not applicable.* |
| • **14.7 Maritime transport in bulk according to IMO instruments** | *Not applicable.* |
| • **UN "Model Regulation":** | *Void* |

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



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## 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***

*H225 Highly flammable liquid and vapour.*
*H226 Flammable liquid and vapour.*
*H302 Harmful if swallowed.*
*H304 May be fatal if swallowed and enters airways.*
*H311 Toxic in contact with skin.*
*H314 Causes severe skin burns and eye damage.*
*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.*
*H336 May cause drowsiness or dizziness.*
*H361d Suspected of damaging the unborn child.*
*H372 Causes damage to organs through prolonged or repeated exposure.*
*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.*
*H412 Harmful 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*
*Flam. Liq. 2: Flammable liquids – Category 2*
*Flam. Liq. 3: Flammable liquids – Category 3*
*Acute Tox. 4: Acute toxicity – Category 4*
*Acute Tox. 3: Acute toxicity – Category 3*
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*
*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*
*Skin Sens. 1B: Skin sensitisation – Category 1B*
*Repr. 2: Reproductive toxicity – Category 2*
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
*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*
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

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