Revision: 22.01.2024

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

Printing date 16.04.2024

Version number 17 (replaces version 16)

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

• 1.1 Product identifier

Trade name: impralan-Grund G200 weiss

Article number: W709510UFI: QC01-W0RG-M00H-831X

• 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



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:

2-octyl-2H-isothiazol-3-one

2,4,7,9-Tetramethyldec-5-in-4,7-diol

Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo(4,5-d)imidazole-2,5(1H,3H)-dione 1,2-Benzisothiazol-3(2H)-on

· 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.

(Contd. on page 2)

Printing date 16.04.2024 Version number 17 (replaces version 16) Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

(Contd. of page 1)

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

• Additional information:

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

- 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: 13463-67-7	titanium dioxide	10-25%
EINECS: 236-675-5 Index number: 022-006-00-2	♠ Carc. 2, H351	
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	<2%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	<0.5%
CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1	ethane-1,2-diol Acute Tox. 4, H302	0-<0.5%
CAS: 330-54-1 EINECS: 206-354-4 Index number: 006-015-00-9	Diuron (ISO) ❖ Carc. 2, H351; STOT RE 2, H373; ❖ Aquatic Acute 1, H400 (M=10); ↑ Acute Tox. 4, H302	<0.5%
CAS: 126-86-3 EINECS: 204-809-1	2,4,7,9-Tetramethyldec-5-in-4,7-diol Eye Dam. 1, H318; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	0-<0.5%
CAS: 5395-50-6 EINECS: 226-408-0	Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo(4,5-d) imidazole-2,5(1H,3H)-dione Skin Sens. 1, H317	<0.5%
CAS: 77-99-6 EINECS: 201-074-9	Trimethylolpropan ♣ Repr. 2, H361fd	0-<0.5%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7	3-lodo-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	<0.1%
CAS: 7664-41-7 EINECS: 231-635-3 Index number: 007-001-00-5	4, H302; Flam. Ğas 2, H221; Press. Gas (Čomp.), H280	<0.05%
CAS: 3811-73-2 EINECS: 223-296-5 Index number: 613-344-00-7	Pyridin-2-thiol-1-oxid, Natriumsalz 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 ATE: LD50 oral: 500 mg/kg LD50 dermal: 790 mg/kg LC50/4 h inhalative: 0.5 mg/l	0-<0.059

(Contd. on page 3)

Printing date 16.04.2024 Version number 17 (replaces version 16) Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

	(Col	ntd. of page 2)
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide Skin Corr. 1A, H314; Nacute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: $C \ge 5\%$ Skin Corr. 1B; H314: $2\% \le C < 5\%$ Skin Irrit. 2; H315: $0.5\% \le C < 2\%$ Eye Irrit. 2; H319: $0.5\% \le C < 2\%$	<0.01%
CAS: 26530-20-1 EINECS: 247-761-7 Index number: 613-112-00-5	2-octyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 125 mg/kg LD50 dermal: 311 mg/kg LC50/4 h inhalative: 0.27 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.01%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-Benzisothiazol-3(2H)-on	<0.01%

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 Wear protective equipment. Keep unprotected persons away.
- 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).

(Contd. on page 4)

Printing date 16.04.2024 Version number 17 (replaces version 16)

Trade name: impralan-Grund G200 weiss

(Contd. of page 3)

Revision: 22.01.2024

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 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.
- 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.

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

34590-94-8 Dipropylene glycol monomethyl ether

WEL Long-term value: 308 mg/m³, 50 ppm Sk

107-21-1 ethane-1,2-diol

WEL Short-term value: 104** mg/m³, 40** ppm Long-term value: 10* 52** mg/m³, 20** ppm

Sk *particulate **vapour

7664-41-7 ammonia, anhydrous

WEL Short-term value: 25 mg/m³, 35 ppm Long-term value: 18 mg/m³, 25 ppm

1310-73-2 sodium hydroxide

WEL Short-term value: 2 mg/m3

- 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: Not required.
- Hand protection

The glove material has to be impermeable and resistant to the product.

(Contd. on page 5)

Printing date 16.04.2024 Version number 17 (replaces version 16) Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

(Contd. of page 4)

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.

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

• Odour: Light

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 15 s (DIN 53211/4) • 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: 23 hPa

· Density and/or relative density

Density at 20 °C
 Relative density
 Vapour density
 Not determined.
 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: 1.5 %
• Water: 60.1 %

Change in condition

• Evaporation rate Not determined.

• Information with regard to physical hazard classes

• Explosives Void

(Contd. on page 6)

Printing date 16.04.2024 Version number 17 (replaces version 16) Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

•	•	•	,
			- 1
			- 1
			- 1
			- 1
			- 1
			- 1
			- 1
			- 1
			- 1

(Contd. of page 5)

• 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 Based on available data, the classification criteria are not met.

• LD/LC50 values	that are relevant for classification:
13463-67-7 titar	nium dioxide
Oral LD50	>2,000 mg/kg (Rattus norvegicus (Ratte))
Dermal LD50	>10,000 mg/kg (Rattus norvegicus (Ratte))
Inhalative LC50	/4 h >6.8 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: 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.

(Contd. on page 7)

Printing date 16.04.2024 Version number 17 (replaces version 16) Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

(Contd. of page 6)

• 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.

Harmful to aquatic organisms

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.

• 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 accordi	ng 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

7664-41-7 ammonia, anhydrous Listed

(Contd. on page 8)

Printing date 16.04.2024 Version number 17 (replaces version 16) Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

(Contd. of page 7)

1310-73-2 sodium hydroxide

12% of total caustic alkalinity

- 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

- H221 Flammable gas.
- H280 Contains gas under pressure; may explode if heated.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- 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.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- Suspected of causing cancer. H351
- H361fd Suspected of damaging fertility. 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.
- EUH071 Corrosive to the respiratory tract.

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. Gas 2: Flammable gases - Category 2

Press. Gas (Comp.): Gases under pressure - Compressed gas

Acute Tox. 4: Acute toxicity - Category 4

Acute Tox. 2: Acute toxicity - Category 2

Acute Tox. 3: Acute toxicity - Category 3

Skin Corr. 1: Skin corrosion/irritation - Category 1

Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Corr. 1B: Skin corrosion/irritation - Category 1B

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

(Contd. on page 9)

Page 9/9

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

Printing date 16.04.2024 Version number 17 (replaces version 16)

Revision: 22.01.2024

Trade name: impralan-Grund G200 weiss

(Contd. of page 8)

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. 1A: Skin sensitisation - Category 1A Skin Sens. 1B: Skin sensitisation - Category 1B

Carc. 2: Carcinogenicity - Category 2

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

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.