Revision: 23.01.2024

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

Printing date 08.02.2024

Version number 26 (replaces version 25)

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

• 1.1 Product identifier

• Trade name: impralan-Decklack D400 Basis

Article number: W712507UFI: 9K70-Q0JH-S00E-1HN2

• 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

· 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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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 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide & Carc. 2, H351	5-10%
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-001-00-6	aluminium Pyr. Sol. 1, H250; Water-react. 2, H261	<2%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8	2-(2-butoxyethoxy)ethanol © Eye Irrit. 2, H319	<2%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxypropan-2-ol ♦ Flam. Liq. 3, H226; ♦ Acute Tox. 3, H331; ♦ STOT SE 3, H336	<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: 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	ammonia, anhydrous Acute Tox. 3, H331; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Flam. Gas 2, H221; Press. Gas (Comp.), H280	<0.05%

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CAS: 26530-20-1	2-octyl-2H-isothiazol-3-one	ntd. of page 2 <0.01%
EINECS: 247-761-7	 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 % 	
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-<0.01%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide Skin Corr. 1A, H314; $\textcircled{1}$ Acute 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: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4	ethylbenzene	0-<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.

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• 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).

6.4 Reference to other sections

No dangerous materials are released.

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

Sk

· 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.

monit	ored at the workplace.
112-3	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
107-9	08-2 1-methoxypropan-2-ol
WEL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk
3459	0-94-8 Dipropylene glycol monomethyl ether
WEL	Long-term value: 308 mg/m³, 50 ppm Sk
107-2	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
100-4	11-4 ethylbenzene
WEL	Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm

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

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· 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.

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

· Colour: According to product specification

· 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 7.4

· Viscosity:

· Kinematic viscosity at 20 °C 37 s (DIN 53211/4) Not determined. · dynamic:

Solubility

· Water: Not miscible or difficult to mix

Partition coefficient n-octanol/water (log

Not determined. 23 hPa

Vapour pressure at 20 °C:

Density and/or relative density

· Density at 20 °C 1.043 g/cm3 · Relative density Not determined. Vapour density Not determined.

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• 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: 3.0 % • Water: 60.9 %

· Change in condition

• Evaporation rate Not determined.

Information with regard to physical hazard classes

 Explosives Void Void · Flammable gases Void · Aerosols Void Oxidising gases Void · Gases under pressure · Flammable liquids Void · Flammable solids Void Void Self-reactive substances and mixtures · Pyrophoric liquids Void Pyrophoric solids Void Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable gases in contact with water
 Oxidising liquids
 Oxidising solids
 Organic peroxides
 Corrosive to metals
 Desensitised explosives

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.

 I D/I C50 values 	that are relevant for	classification:

107-98-2 1-methoxypropan-2-ol

Oral LD50 5,000 mg/kg (Rattus norvegicus (Ratte))

Dermal LD50 13,500 mg/kg (Oryctolagus cuniculus (eur. Kaninchen))

Inhalative LC50/4 h 6 mg/l (Rattus norvegicus (Ratte))

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

68412-54-4 Nonylphenoxy(polyethoxy)ethanol

List I

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:

107-98-2 1-methoxypropan-2-ol

LC50(96 h) >100 mg/l (Fish)

EC50(48 h) >100 mg/l (Daphnia sp.) IC50 >100 mg/l (Algea) >100 mg/l (bacteria)

- 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

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

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	

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		(Contd. of page 7)
• 14.5 Environmental hazards: • Marine pollutant:	No	
• 14.6 Special precautions for user	Not applicable.	
• 14.7 Maritime transport in bulk accord	ing 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

7429-90-5 aluminium Listed

Reportable poisons

	- -	
7664-41-7	ammonia, anhydrous	Listed
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.
- LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (UK ANNEX XIV)

68412-54-4 Nonylphenoxy(polyethoxy)ethanol Sunset date: 2021-01-04

• 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.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H250 Catches fire spontaneously if exposed to air.
- H261 In contact with water releases flammable gases.
- H280 Contains gas under pressure; may explode if heated.
- H301 Toxic if swallowed.
- 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.
- H330 Fatal if inhaled.

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 H331
            Toxic if inhaled.
 H332
            Harmful if inhaled.
            May cause drowsiness or dizziness.
 H336
 H351
            Suspected of causing cancer.
 H372
            Causes damage to organs through prolonged or repeated exposure.
            May cause damage to organs through prolonged or repeated exposure.
 H373
 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.
 EUH071 Corrosive to the respiratory tract.
· Department issuing data specification sheet: Product safety department, Mannheim
 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
 ATE: Acute toxicity estimate values
 Flam. Gas 2: Flammable gases - Category 2
 Press. Gas (Comp.): Gases under pressure - Compressed gas
 Flam. Liq. 2: Flammable liquids - Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
Pyr. Sol. 1: Pyrophoric solids – Category 1
 Water-react. 2: Substances and mixtures which in contact with water emit flammable gases - Category 2
 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
 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
 Carc. 2: Carcinogenicity - 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.
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