

HD-WAX SEAL 811-0001

Product description

HD-WAX SEAL is suited for the whole interior construction. Through the high resistance **HD-WAX SEAL** is suited for the coating of stairs and wooden floors.

Indication

Please use HD-WAX-SEAL PRIMER 875-0001 for dark wood and dark stained wood and along the grain. With HD-WAX SEAL soiled cleaning clothes and work clothes may have a tendency to self-ignite, therefore soak these textiles in water, or hung them up outdoors to dry and dispose them.

Stir well before use.

Always make trials.

Application Example

Wax Seal

2 spray coats with HD Wax Seal 811-0001
Coating rate approx. 2 x 40 – 60 g / m²

Processing

HD WAX SEAL is adjusted to be ready for use. Stir well before use. Untreated wood surfaces are primed with HD WAX SEAL. Applied with a cup gun, Airless-, air mix device. The common coating rate is about 40 – 60 g / m² per coat.

After sufficient drying, 6 hours, an intermediate sanding is made, grain size 240 – 320. Afterwards, a second coat of HD WAX SEAL is applied. The drying depends on the ventilation and the temperature of the wooden work pieces and the room. When processing, a good ventilation of the rooms is to be ensured. The containers have to be tightly closed after use and have to be protected from air entry. Dried HD wax seal can be dissolved with HD-SPECIAL THINNER 980-0300 max. 10%. Good results can only be achieved with clean and perfectly functioning working devices. HD wax seal can, after intermediate sanding, be reapplied for repairs. The regular upkeep care, especially for stairs and floors is made with HD NATURAL SPRAY OIL WAX 850-0005.

Technical data

VOC-values:

Actual value (ready for use): 428 g / l

Limit value: 700 g / l

Category: f

Standards

Corresponds to the VOC regulation



DIN EN 71 – 3 safety of toys



National technical approvals



DIN 68861 – part 1 chemical resistance



GISCODE:

Composition free of:

Poisonous heavy metals, halogenated hydrocarbons (CKW, FCKW), polychlorinated bi- and terphenyls (PCB + PCT), pentachlorophenol (PCP) and formaldehyde.



Ordering information

Order number:

811-0001-25LH 25 Liter packaging

811-0001-10LK 10 Liter packaging

811-0001-5LK 5 Liter packaging

Shelf life:

At least 6 months at room temperature.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.05.2019

Version number 114

Revision: 06.05.2019

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

- **1.1 Product identifier**
- Trade name **NATUR HARTWACHS**
- Article number: 811-0001
- **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 material
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
HEIDELBERG COATINGS
Dr. RENTZSCH GMBH & CO. KG

KURPFALZRING 100A

69123 HEIDELBERG

PHONE: +49 6221 7485-0
FAX: +49 6221 7485-24

EMAIL: info@heidelbergcoatings.com
- **Informing department:** Product safety department.
- **1.4 Emergency telephone number:**
TEL.: 06221 / 7485-16 (Mo.-Fr. 7:30-16:00)
EMAIL: labor@heidelberger-lackfabrik.de

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

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 CLP regulation.

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· **Hazard pictograms** GHS02, GHS07· **Signal word** Warning· **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated heavy

· **Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P405 Store locked up.

· **Additional information:**

EUH208 Contains phthalic anhydride, cobalt(II) 2-ethylhexanoate. 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 Chemical characterisation: Mixtures**· **Description:** Mixture of the substances listed below with harmless additions.· **Dangerous components:**

EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	12.5-25%
CAS: 90622-57-4 Reg.nr.: 01-2119471991-29	C9-12-Iso-alkanes Asp. Tox. 1, H304; Aquatic Chronic 2, H411	12.5-25%
CAS: 13475-82-6 EINECS: 236-757-0 Reg.nr.: 01-2119490725-29	2,2,4,6,6-Pentamethylheptan Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 3, H412	2.5-10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	product content: solvent naphtha (petroleum), light aromatic, benzene content: <0,1% Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	<2.5%
CAS: 623-40-5 ELINCS: 484-470-6 Reg.nr.: 01-2119980079-27	2-Pentanoxim Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	<2.5%

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CAS: 85-44-9 EINECS: 201-607-5 Reg.nr.: 01-2119457017-41	phthalic anhydride  Resp. Sens. 1, H334;  Eye Dam. 1, H318;  Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	<0.5%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	cobalt(II) 2-ethylhexanoate  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.5%

- **SVHC** The product contains no substances named in the SVHC candidate list.
- **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** Instantly remove any clothing soiled by the product.
- **After inhalation**
Supply fresh air; consult doctor in case of symptoms.
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly rinse with water.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
Dazed
Dizziness
- **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 or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

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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*Keep away from ignition sources**Use breathing protection against the effects of fumes/dust/aerosol.***· 6.2 Environmental precautions:***Prevent material from reaching sewage system, holes and cellars.**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).**Dispose of contaminated material as waste according to item 13.**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:***Substance/product is auto-flammable.**Fumes can combine with air to form an explosive mixture.**Keep ignition sources away - Do not smoke.**Protect against electrostatic charges.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage****· Requirements to be met by storerooms and containers:***Provide solvent resistant, sealed floor.**Provide floor trough without outlet.**Store in cool location.**Regulations for storage of flammable liquids.***· Information about storage in one common storage facility:***Store away from oxidising agents.**Regulations for storage of flammable liquids.***· Further information about storage conditions: Keep container tightly sealed.****· Storage class 3****· 7.3 Specific end use(s) No further relevant information available.**

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

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· **8.1 Control parameters**· **Components with critical values that require monitoring at the workplace:****136-52-7 cobalt(II) 2-ethylhexanoate**

WEL (Great Britain)	Long-term value: 0.1 mg/m ³ as Co; Carc, Sen
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· **DNELs****Naphtha (petroleum), hydrotreated heavy**

Oral	DNEL	125 mg/kg bw/day (consumer, systemic, long term)
Dermal	DNEL	208 mg/kg bw/day (worker, systemic, long term) 125 mg/kg bw/day (consumer, systemic, long term)
Inhalative	DNEL	871 mg/m ³ (worker, systemic, long term) 185 mg/m ³ (consumer, systemic, long term)

product content: solvent naphtha (petroleum), light aromatic, benzene content: <0,1%

Oral	DNEL	11 mg/kg bw/day (consumer, systemic, long term)
Dermal	DNEL	25 mg/kg bw/day (worker, systemic, long term) 11 mg/kg bw/day (consumer, systemic, long term)
Inhalative	DNEL	150 mg/m ³ (worker, systemic, long term) 32 mg/m ³ (consumer, systemic, long term)

64742-48-9 Mixture of n-, i- and cyclo-aliphatics predominantly in the range C11-C12

Oral	DNEL	300 mg/kg bw/day (consumer, systemic, long term)
Dermal	DNEL	300 mg/kg bw/day (worker, systemic, long term) 300 mg/kg bw/day (consumer, systemic, long term)
Inhalative	DNEL	900 mg/m ³ (consumer, systemic, long term)

136-52-7 cobalt(II) 2-ethylhexanoate

Oral	DNEL	56 mg/kg bw/day (consumer, systemic, long term)
Inhalative	DNEL	235 mg/m ³ (worker, local, long term) 37 mg/m ³ (consumer, local, long term)

· **PNECs****136-52-7 cobalt(II) 2-ethylhexanoate**

PNEC	2.9 mg/kg dwt (soil)
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· **Additional information:** The lists that were valid during the compilation were used as basis.· **8.2 Exposure controls**· **Personal protective equipment**· **General protective and hygienic measures**

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

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· **Breathing equipment:**

Combination filter for organic, inorganic, corrosive fumes/vapours and solid and liquid particles (e.g. EN 17387 Type ABEK-P2).

· **Protection of hands:**

Protective gloves.

· **Material of gloves**

We recommend:

Nitril / Neopren ; strength >0,55 mm

nature latex; strength > 1,0 mm

e.g. Sol-Vex 37-185; Emperor ME 104

(breakdown time >180 min)

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:

Fluid

Colour:

According to product specification

· **Smell:**

Recognisable

· **Odour threshold:**

Not determined.

· **pH-value:**

Neutral

Not determined.

· **Change in condition**

Melting point/freezing point:

Not determined

Initial boiling point and boiling range:

138 °C

· **Flash point**

(ISO 3679 / ISO 3680; SETA CLOSED CUP): 50 °C (DIN EN 456)

· **Inflammability (solid, gaseous)**

Not applicable.

· **Ignition temperature:**

300 °C

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· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	1.3 Vol %
Upper:	10.5 Vol %
· Steam pressure at 20 °C:	3.1 hPa
· Density (DIN 51757) at 20 °C:	0.887 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	41.7 %
VOC, EU (%)	41.69 %
Solids content(DIN 53189):	38.1 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Auto-catalytic thermal decomposition
- **10.3 Possibility of hazardous reactions**
dried overspray-/ lacquer residues and product contaminatet brushes and tissues are prone to spontaneous combustion
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Bases, oxidizing agents, amines
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

90622-57-4 C9-12-Iso-alkanes

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

Kieselsäuren, amorphe

Oral	LD50	>5,000 mg/kg (rat) (OECD-Richtlinie 401)
	NOAEL	9,000 ml/kg/d (rat) (OECD-Richtlinie 408)
Dermal	LD50	>5,000 mg/kg (rabbit)

product content: solvent naphtha (petroleum), light aromatic, benzene content: <0,1%

Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit)
Inhalative	LC50/4h (Informativ)	0.6193 mg/l (rat)

623-40-5 2-Pentanonoxim

Oral	LD50	500 mg/kg (ATE)
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64742-48-9 Mixture of n-, i- and cyclo-aliphatics predominantly in the range C11-C12

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

2457-01-4 Bariumbis(2-ethylhexanoat)

Oral	LD50	500 mg/kg (ATE)
Inhalative	LC50/4 h	11 mg/l (ATE)

136-52-7 cobalt(II) 2-ethylhexanoate

Oral	LD50	500 mg/kg (ATE)
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· **Primary irritant effect:**

· **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.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **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**

May cause drowsiness or dizziness.

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- **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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Naphtha (petroleum), hydrotreated heavy

NOEC	100 mg/l (algae)
IC50	>1,000 mg/l (algae)
LC50	>1,000 mg/l (fish)

Kieselsäuren, amorphe

LC0 (static)	10,000 mg/l (fish) (OECD-Richtlinie 203) >140->2,000 mg/l (rat) (OECD-Richtlinie 403)
EC50	>1,000 mg/l (daphniae) (OECD-Richtlinie 202) >10,000 mg/l (algae) (OECD-Richtlinie 201)

product content: solvent naphtha (petroleum), light aromatic, benzene content: <0,1%

NOEC	0.07 mg/l (algae) >99 mg/l (bacteriae)
EC50	<10 mg/l (daphniae) <10 mg/l (algae) >99 mg/l (bacteriae)
ErC50	2.9 mg/l (algae)
LC50	≤10 mg/l (fish) ≤10 mg/l (daphniae) ≤10 mg/l (algae) ≤10 mg/l (bacteriae)

623-40-5 2-Pentanonoxim

EC50	>100 mg/l (daphniae)
IC50	54 mg/l (algae)
LC50	>100 mg/l (fish)

136-52-7 cobalt(II) 2-ethylhexanoate

IC50	528 mg/l (algae) (72 h)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** May be accumulated in organism
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish

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- **Additional ecological information:**
- **AOX-indication:** not relevant
- **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
none
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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.
- **European waste catalogue**
The waste key numbers from EWC, is sector and process-specific implement .

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1263
- **14.2 UN proper shipping name**
- **ADR** 1263 PAINT
- **IMDG, IATA** PAINT

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· **14.3 Transport hazard class(es)**· **ADR**

· **Class** 3 (F1) Flammable liquids.
 · **Label** 3

· **IMDG, IATA**

· **Class** 3 Flammable liquids.
 · **Label** 3

· **14.4 Packing group**

· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

Transport only in sealed and upright standing containers. Transport only by persons instructed concerning the measures in case of spillage or accident.

Warning: Flammable liquids.

· **Kemler Number:** 30
 · **EMS Number:** F-E,S-E
 · **Stowage Category** A

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**· **ADR**

· **Limited quantities (LQ)** 5L
 · **Excepted quantities (EQ)** Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml
 · **Transport category** 3
 · **Tunnel restriction code** D/E

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· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2004/42/EC of the European Parliament and of the Council of 21 April 2004 / Part II 2010**
Interior and exterior minimal build woodstains A/f SB 700 g/L (2010)
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS02, GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated heavy
- **Hazard statements**
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P405 Store locked up.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations** Control of Substances Hazardous to Health (COSHH)

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- **Information about limitation of use:** none
- **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. The REACH registration numbers given in chapter 1 (for substances) or chapter 3 (for formulations) are given to our present knowledge resulting from the information provided by our suppliers.

- **Relevant phrases**

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
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:** Laboratory

- **Contact:**

Dr. Marcus Rentzsch
Phone: 0049-6221-74 85 28

- **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 européen sur le transport 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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern

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

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*vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 4: Acute toxicity – Category 4**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**Resp. Sens. 1: Respiratory sensitisation – Category 1**Skin Sens. 1: Skin sensitisation – Category 1**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**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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