HEIDELBERG COATINGS

Safety Data Sheet acc. to OSHA HCS

Printing date 01/02/2024

Reviewed on 01/02/2024

1 Identification

- · Product identifier
- · Trade name NATUR LED OIL ÖLWACHS Ultramatt
- · Article number: 1380-0040
- · Application of the substance / the mixture Coating material
- · Uses advised against Uses other than those recommended.
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Heidelberg Coatings Dr. Rentzsch GmbH

Kurpfalzring 100a 69123 Heidelberg Germany

Tel.: +49(0) 6221 / 7485-0 Fax: +49(0) 6221 / 7485-24

Mail: info@heidelbergcoatings.com

- · Informing department: Product safety department.
- · Emergency telephone number:

Tel.: +49(0) 6221 / 7485-16 (Mo.-Fr. 7:30-16:00)

Mail: info@heidelbergcoatings.com

2 Hazard(s) identification

· Classification of the substance or mixture

Skin Irritation 2 H315 Causes skin irritation.

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



- · Signal word Warning
- · Hazard-determining components of labeling:

Neopentylglykolpropoxylat

Dipropylenglykoldiacrylat

· Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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· Precautionary statements

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P261 Avoid breathing dust/fume/gas/mist/vapors/spray

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.

P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.

- · Classification system
- · NFPA ratings (scale 0-4)



Health = 1 Fire = 1

Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · **Description**: Mixture of the substances listed below with harmless additions.

84170-74-1	Neopentylglykolpropoxylat	25-50%
	♦ Sensitization - Skin 1, H317	
57472-68-1	Dipropylenglykoldiacrylat	12.5-25%
	Eye Damage 1, H318; Skin Irritation 2, H315; Sensitization - Skin 1, H317	
108-95-2	phenol	<0.5%
	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Acute Toxicity - Inhalation 3, H331; Germ Cell Mutagenicity 2, H341; Specific Target Organ Toxicity - Repeated Exposure 2, H373; Skin Corrosion 1B, H314	

[•] Additional information For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- · 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.

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· 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.
- · Information for doctor
- · Most important symptoms and effects, both acute and delayed Allergic reactions
- · Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · 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.
- · Special hazards arising from the substance or mixture

Under certain fire conditions, traces of other toxic gases cannot be excluded.

- · Advice for firefighters
- · Protective equipment: Wear self-contained breathing apparatus.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Use breathing protection against the effects of fumes/dust/aerosol.

· Environmental precautions:

Do not allow product to reach sewage system or water bodies.

No special measures required.

· 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.

· 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.

· Protective Action Criteria for Chemicals

· PAC-1:		
108-95-2	phenol	15 ppm
108-65-6	2-methoxy-1-methylethylacetate	50 ppm
110-82-7	cyclohexane	300 ppm
7664-38-2	phosphoric acid	3 mg/m³
112-55-0	n-dodecanethiol	0.3 ppm

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PAC-2:		
108-95-2	phenol	23 ppm
108-65-6	2-methoxy-1-methylethylacetate	1,000 ppm
110-82-7	cyclohexane	1700* ppm
7664-38-2	phosphoric acid	30 mg/m³
112-55-0	n-dodecanethiol	0.5 ppm
PAC-3:		,
108-95-2	phenol	200 ppm
108-65-6	2-methoxy-1-methylethylacetate	5000* ppm
110-82-7	cyclohexane	10000** ppm
7664-38-2	phosphoric acid	150 mg/m³
112-55-0	n-dodecanethiol	3 ррт

7 Handling and storage

- · Handling
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

- · 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.

- · Information about storage in one common storage facility: Store away from oxidizing agents.
- · Further information about storage conditions: None.
- · Storage class 10
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters
- · Components with critical values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

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108-95-2 phenol

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PEL Long-term value: 19 mg/m³, 5 ppm

Skin

REL Long-term value: 19 mg/m³, 5 ppm

Ceiling limit value: 60* mg/m³, 15.6* ppm

*15-min; Skin

TLV Long-term value: 5 ppm

Skin; BEI, A4

· Ingredients with biological limit values:

108-95-2 phenol

BEI 250 mg/g creatinine

Medium: urine Time: end of shift

Parameter: Phenol with hydrolysis (background, nonspecific)

- · Additional information: The lists that were valid during the compilation were used as basis.
- · Exposure controls
- · Personal protective equipment
- · General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

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

Avoid contact with the eyes and skin.

· Breathing equipment:



In case of insufficient ventilation, use gas filters for organic gases/vapors (boiling point > 65 °C, e.g. EN 14387 type A)

· Protection of hands:



Protective gloves.

· Material of gloves

We recommend:

Nitril / Neopren; strenght > 0,7 mm naturelatex; strenght > 1,0 mm z.B.: Marigold Z51G; ME101; ME104

(breakdown time >180 min)

· Penetration time of glove material

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

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· Eye protection:



Tightly sealed safety glasses.

· Body protection: Protective work clothing.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid

Colour: According to product specification

Smell: CharacteristicOdor threshold: Not determined.

· **pH-value**: Mixture is non-polar/aprotic.

· Change in condition

Melting point/Melting range: -44 °C (-47.2 °F)
Boiling point/Boiling range: 104.5 °C (220.1 °F)

· Flash point

(ISO 3679 / ISO 3680; SETA CLOSED CUP): 137 °C (278.6 °F) (DIN EN 456)

· Inflammability (solid, gaseous)	Not applicable.
· Auto igniting:	240 °C (464 °F)
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Critical values for explosion:	
Lower:	1.8 Vol %
Upper:	6.9 Vol %
· Steam pressure at 20 °C (68 °F):	2.3 hPa (1.7 mm Hg)
· Vapor pressure at 50 °C (122 °F):	5.9 hPa (4.4 mm Hg)
· Density (DIN 51757) at 20 °C (68 °F):	1.109 g/cm³ (9.255 lbs/gal)
· Relative density	Not determined.
· Vapor 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.

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Not determined.
25 s (ISO 6 mm)
0.3 %
3.0 g/l
51.3 %
No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: Bases, oxidizing agents, amines
- · Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

- · Information on toxicological effects

84170-7	74-1 Neo	pentylglykolpropoxylat	
Oral	LD50	>5,000 mg/kg (rat)	
Dermal	NOAEL	3.33 mg/kg (worker, systemic, long term)	
		0.177 mg/kg (consumer, local, short term)	
	LD50	>2,000 mg/kg (rat)	
57472-6	8-1 Dipr	opylenglykoldiacrylat	
Oral	LD50	3,530 mg/kg (rat)	
Dermal	LD50	>2,000 mg/kg (rabbit)	
	EC20	>1,000 mg/l (bacteriae)	
Synthe	tisches l	Hartwachs	

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Primary irritant effect:

- on the skin: Irritant for skin and mucous membranes.
- · on the eye: No irritant effect.
- · Sensitization: Sensitization possible by skin contact.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

· Carcinogenic categories

· IARC (Int	ernational Agency for Research on Cancer)	
108-95-2	phenol	3
128-37-0	Butylated hydroxytoluene	3
•	ional Toxicology Program) he ingredients is listed.	
OSHA-Ca	(Occupational Safety & Health Administration)	
None of th	ne ingredients is listed.	

12 Ecological information

· Toxicity

· Toxici	ity	
· Aquat	tic toxicity:	
84170-	-74-1 Neopentylglykolpropoxylat	
NOEC	25.3 mg/l /48h (daphniae)	
	1 mg/l /72h (algae)	
	2 mg/l (bacteriae)	
EC50	37 mg/l /48h (daphniae)	
	3.4 mg/l /72h (algae)	
LC50	2.7 mg/l /96h (fish)	
57472-	-68-1 Dipropylenglykoldiacrylat	
EC10	2.2 mg/l (algae)	
EC50	22.3 mg/l (daphniae) (48 h)	
	16.7 mg/l (algae) (72)	
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LC50	2.2-4.6 mg/l (fish) (96 h)
159034	1-91-0 propylidynetrimethanol, ethoxylated, esters with acrylic acid, reaction products with diethylamine
EC10	17 mg/l (algae)
NOEC	22 mg/l (bacteriae)
EC50	>100 mg/l (daphniae)
	47 mg/l (algae)
	>1,000 mg/l (bacteriae)
LC50	>100 mg/l (fish) (Danio rerio, 96h)
Synthe	etische Kieselsäure
LC0	>10,000 mg/l (fish)
	3.1 mg/l (rat)
IC50	440 mg/l (algae)
EC0	>10,000 mg/l (daphniae)

- · Persistence and degradability Heavily biodegradable
- · Bioaccumulative potential May be accumulated in organism
- · Mobility in soil No further relevant information available.
- · 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.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation Must not be disposed of together with household garbage.
- · Uncleaned packagings:
- · **Recommendation:** Disposal must be made according to official regulations.

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UN-Number	
DOT	Void
ADR, IMDG, IATA	UN3082
UN proper shipping name	
DOT	Void
ADR IMDG	3082 ENVIRONMENTALLY HAZARDO SUBSTANCE, LIQUID, N.O. (Neopentylglykolpropoxylat) ENVIRONMENTALLY HAZARDOUS SUBSTAN
IATA	LIQUID, N.O.S. (Neopentylglykolpropoxylat, proc content: solvent naphtha (petroleum), light aroma benzene content: <0,1%), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTAN LIQUID, N.O.S. (Neopentylglykolpropoxylat)
Transport hazard class(es)	
DOT	
Class	Void
ADR	
Class	9 (M6) Miscellaneous dangerous substances articles
Label	9
IMDG, IATA	
Class	9 Miscellaneous dangerous substances and article
Label	9
Packing group	
DOT	Void
ADR, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
Special precautions for user	Transport only in sealed and upright stand containers. Transport only by persons instructed

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(Contd. of page 10) concerning the measures in case of spilling or Warning: Miscellaneous dangerous substances and articles · Kemler Number: 90 F-A,S-F · EMS Number: · Stowage Category · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: · ADR · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml ·IMDG · Limited quantities (LQ) 5L Code: E1 · Excepted quantities (EQ) Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE. LIQUID, (NEOPENTYLGLYKOLPROPOXYLAT), 9, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

108-95-2 p	henol	
SARA Sec	tion 313 (specific toxic chemical listings)	
108-95-2	phenol	
110-82-7	cyclohexane	
7664-38-2	phosphoric acid	
TSCA (Tox	ic Substances Control Act)	
84170-74-1	Neopentylglykolpropoxylat	ACTI
57472-68-1	Dipropylenglykoldiacrylat	ACTI
108-95-2	phenol	ACTI

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64742-95-6	product content: solvent naphtha (petroleum), light aromatic, benzene content: <0,1%	ACTI
108-65-6	2-methoxy-1-methylethylacetate	ACTI
110-82-7	cyclohexane	ACTI
7664-38-2	phosphoric acid	ACTI
18479-58-8	Dihydromyrcenol	ACTI
27606-09-3	2,4-dimethyl-4,4a,5,9b-tetrahydroindeno[1,2-d]-1,3-dioxin	ACTI
79-77-6	(E)betalonone	ACTI
2050-08-0	Amyl salicylate	ACTI
81782-77-6	4-Methyl-3-decen-5-ol	ACTI
128-37-0	Butylated hydroxytoluene	ACTI
20298-69-5	cis-2-tert-Butylcyclohexyl acetate	ACTI
68039-49-6	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	ACTI
67634-00-8	allyl (3-methylbutoxy)acetate	ACTI
112-55-0	n-dodecanethiol	ACTI
· Hazardous	Air Pollutants	
108-95-2 pi	henol	
· Prop 65 - C	hemicals known to cause cancer	
None of the	ingredients is listed.	
· Canceroge	nity categories	
· EPA (Envir	onmental Protection Agency)	
108-95-2 pi	henol	L
110-82-7 cy	/clohexane	1
TLV (Thres	hold Limit Value)	<u> </u>
108-95-2 pi	henol	,
128-37-0 B	utylated hydroxytoluene	,
MAK (Germ	an Maximum Workplace Concentration)	
108-95-2 pi	henol	
128-37-0 B	utylated hydroxytoluene	4
NIOSH-Ca (National Institute for Occupational Safety and Health)	
	ingredients is listed.	

- · GHS label elements according to (EU)878/2020
- · National regulations
- · Information about limitation of use: none
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

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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.

- Department issuing data specification sheet: Environment protection department.
- · Contact: Product safety department
- · Date of preparation / last revision 01/02/2024

· 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

DOT: US Department of Transportation IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit

Acute Toxicity - Oral 3: Acute toxicity - Category 3

Skin Corrosion 1B: Skin corrosion/irritation - Category 1B

Skin Irritation 2: Skin corrosion/irritation - Category 2

Eye Damage 1: Serious eye damage/eye irritation - Category 1

Sensitization - Skin 1: Skin sensitisation - Category 1

Germ Cell Mutagenicity 2: Germ cell mutagenicity - Category 2

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2

* Data compared to the previous version altered.

US