

**KORANOL HARTWACHS-ÖL**

Version number: GHS 3.0

Replaces version of: 08.02.2024 (GHS 2)

Revision: 05.02.2025

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Koranol Hartwachs-Öl****Registration number (REACH)**

not relevant (mixture)

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses**

Paint, coating and lacquer

**1.3 Details of the supplier of the safety data sheet**

Kurt Obermeier GmbH  
Berghäuser Str. 70  
57319 Bad Berleburg  
Germany

Telephone: +49 2751 5240  
Telefax: +49 2751 5041  
e-mail: info@obermeier.de  
Website: www.obermeier.de

**e-mail (competent person)**

sdb@obermeier.de

**1.4 Emergency telephone number**

Name	Telephone
24h	+49 (0) 70024112112 (KOR) ; +1 872 5888271 (KOR)

**1.4.4 Language(s) of the phone service**

multilingual information

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 (CLP)**

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP)**

- Signal word not required

- Pictograms not required

- Supplemental hazard information

EUH210

Safety data sheet available on request.

**2.3 Other hazards**

This material is combustible, but will not ignite readily.

**Results of PBT and vPvB assessment**This mixture does not contain any substances that are assessed to be a PBT or a vPvB  $\geq 0,1\%$ .**Endocrine disrupting properties**Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

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**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not relevant (mixture)

**3.2 Mixtures****Description of the mixture**

Name of substance	Identifier	Wt%	Classification acc. to GHS	Substance register	Specific Conc. Limits	M-Factors
Distillates (petroleum), hydro-treated light	CAS No 64742-47-8  EC No 265-149-8  Index No 649-422-00-2  REACH Reg. No 01- 2119456377- 30-xxxx	25 – < 50	Asp. Tox. 1 / H304			

**Remarks**

For full text of abbreviations: see SECTION 16

**SECTION 4: First aid measures****4.1 Description of first aid measures****General notes**

Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. Remove victim out of the danger area. Do not leave affected person unattended.

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of accident or if you feel unwell, seek medical advice immediately (show the label or safety data sheet where possible). Provide fresh air.

**Following skin contact**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

**Following eye contact**

Rinse immediately carefully and thoroughly with eye shower or water. If eye irritation persists: Get medical advice/attention.

**Following ingestion**

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

Symptoms and effects are not known to date.

**4.3 Indication of any immediate medical attention and special treatment needed**

none

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>), Alcohol resistant foam, Water spray, Water mist, BC-powder, Sand**Unsuitable extinguishing media**

Water jet

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)**5.3 Advice for firefighters**

In case of fire toxic gases may be formed. In case of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus. Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Collect contaminated firefighting water separately.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Remove persons to safety.

**For emergency responders**

Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dust/spray/gases.

**6.2 Environmental precautions**

Keep away from drains, surface and ground water. Prevent spread over a wide area (e.g. by containment or oil barriers). Retain contaminated washing water and dispose of it.

**6.3 Methods and material for containment and cleaning up****Advice on how to contain a spill**

Take up mechanically, Covering of drains

**Advice on how to clean up a spill**

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

**Appropriate containment techniques**

Use of adsorbent materials.

**Other information relating to spills and releases**

Place in appropriate containers for disposal. Ventilate affected area.

**6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Recommendations**

- Measures to prevent fire as well as aerosol and dust generation

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

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## Advice on general occupational hygiene

Avoid contact with skin and eyes. Wash hands after use. Keep away from food, drink and animal feedingstuffs. Never place chemicals in containers that are normally used for food or drink.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, well-ventilated place. Keep only in original container.

### Storage class (LKG)

**TRGS 510**

LGK 10 (combustible liquids)

## 7.3 Specific end use(s)

Industry or sector specific available guidance(s)

GISCODE: Ö60+ Stark lösemittelhaltige Öle/Wachse, entaromatisiert, oximfrei

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values (Workplace Exposure Limits)

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
DE	Distillates (petroleum), hydrotreated light	64742-47-8	MAK		5		20			r, aerosol	DFG
DE	Distillates (petroleum), hydrotreated light	64742-47-8	MAK	50	350	100	700			vap	DFG
DE	distillates (petroleum), hydrotreated light (C9 - C14 aliphatics)	64742-47-8	AGW		300		600			Y	TRGS 900

#### Notation

aerosol as aerosols

Ceiling-C ceiling value is a limit value above which exposure should not occur

r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

vap as vapours

Y a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

### 8.2 Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

#### Appropriate engineering controls

Open windows, door, to allow sufficient ventilation. If this is not possible employ a fan to increase air exchange.

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**Individual protection measures (personal protective equipment)**
**Eye/face protection**

Use safety goggle with side protection.

**Skin protection**

## - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned together with the supplier of these gloves.

## - Type of material

IIR: isobutene-isoprene (butyl) rubber, NBR: acrylonitrile-butadiene rubber

## - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

**Respiratory protection**

Usually no personal respirative protection necessary

Respiratory protection necessary at: exceeding exposure limit values

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	liquid
<b>Colour</b>	various
<b>Odour</b>	faintly perceptible
<b>Melting point/freezing point</b>	not determined
<b>Boiling point or initial boiling point and boiling range</b>	>200 °C
<b>Flammability</b>	this material is combustible, but will not ignite readily
<b>Lower and upper explosion limit</b>	0,7 vol% - 5 vol%
<b>Flash point</b>	62 °C
<b>Auto-ignition temperature</b>	not determined
<b>Decomposition temperature</b>	not relevant
<b>pH (value)</b>	not determined
<b>Kinematic viscosity</b>	>20,5 mm <sup>2</sup> /s at 40 °C

**Solubility(ies)**

Water solubility	not miscible in any proportion
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**Partition coefficient**

Partition coefficient n-octanol/water (log value)	not determined
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Vapour pressure	2 hPa at 20 °C
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**Density and/or relative density**

Density	ca. 0,84 g/cm <sup>3</sup> at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	(liquid)
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**9.2 Other information**

<b>Information with regard to physical hazard classes</b>	hazard classes acc. to GHS (physical hazards): not relevant
<b>Other safety characteristics</b>	there is no additional information

**SECTION 10: Stability and reactivity**
**10.1 Reactivity**

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

**10.2 Chemical stability**

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**10.3 Possibility of hazardous reactions**

No known hazardous reactions.

**10.4 Conditions to avoid**

There are no specific conditions known which have to be avoided.

**10.5 Incompatible materials**

Oxidisers

**10.6 Hazardous decomposition products**

Hazardous combustion products: see section 5.

**SECTION 11: Toxicological information**
**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Test data are not available for the complete mixture.

**Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification according to GHS (1272/2008/EC, CLP)**

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

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**Acute toxicity**

The classification criteria for these hazard classes are not met.

**Skin corrosion/irritation**

The classification criteria for this hazard class are not met.

**Serious eye damage/eye irritation**

The classification criteria for this hazard class are not met.

**Respiratory or skin sensitisation**

The classification criteria for these hazard classes are not met.

**Germ cell mutagenicity**

The classification criteria for this hazard class are not met.

**Carcinogenicity**

The classification criteria for this hazard class are not met.

**Reproductive toxicity**

The classification criteria for this hazard class are not met.

**Specific target organ toxicity - single exposure**

The classification criteria for this hazard class are not met.

**Specific target organ toxicity - repeated exposure**

The classification criteria for this hazard class are not met.

**Aspiration hazard**

The classification criteria for this hazard class are not met.

**11.2 Information on other hazards**

There is no additional information.

**Endocrine disrupting properties**Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .**SECTION 12: Ecological information****12.1 Toxicity**

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

**12.2 Persistence and degradability**

Data are not available.

**12.3 Bioaccumulative potential**

The product has not been tested.

**12.4 Mobility in soil**

Data are not available.

**12.5 Results of PBT and vPvB assessment**None of the ingredients are listed  $\geq 0,1\%$ .**12.6 Endocrine disrupting properties**None of the ingredients are listed  $\geq 0,1\%$ .**12.7 Other adverse effects**

Data are not available.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.

**Waste treatment-relevant information**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings**

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information**

<b>14.1 UN number or ID number</b>	not subject to transport regulations
<b>14.2 UN proper shipping name</b>	not relevant
<b>14.3 Transport hazard class(es)</b>	none
<b>14.4 Packing group</b>	not assigned
<b>14.5 Environmental hazards</b>	non-environmentally hazardous acc. to the dangerous goods regulations
<b>14.6 Special precautions for user</b>	There is no additional information.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	The cargo is not intended to be carried in bulk.

**Information for each of the UN Model Regulations****Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information**

Not subject to ADR, RID and ADN.

**International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

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## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)			
Name of substance	Name acc. to inventory	CAS No	No
Distillates (petroleum), hydro-treated light	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3

#### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

 None of the ingredients are listed  $\geq 0,1\%$ 

#### Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

#### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

#### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

#### Water Framework Directive (WFD)

none of the ingredients are listed

#### Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

#### Regulation on drug precursors

none of the ingredients are listed

#### Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

#### National regulations (Germany)

#### Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 1 slightly hazardous to water

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## Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	organic substances		≥ 25 wt%	0,5 kg/h	50 mg/m <sup>3</sup>	3)

### Notation

- 3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m<sup>3</sup>, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

## 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

Indication of changes (revised safety data sheet)		
Section	Former entry (text/value)	Actual entry (text/value)
2.3	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB ≥ 0,1%.
2.3	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0,1%.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.
3.2		Description of the mixture: change in the listing (table)
3.2		Remarks: For full text of abbreviations: see SECTION 16
8.2	Respiratory protection: Usually no personal respirative protection necessary, Respiratory protection necessary at: insufficient ventilation, exceeding exposure limit values, aerosol or mist formation, full face mask/half mask/quarter mask (EN 136/140), type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White)	Respiratory protection: Usually no personal respirative protection necessary Respiratory protection necessary at: exceeding exposure limit values
9.1	pH (value): not applicable	pH (value): not determined
9.1	Solubility(ies): not determined	Solubility(ies)
9.1		Water solubility: not miscible in any proportion
11.2	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0,1%.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: None of the ingredients are listed ≥ 0,1%.
12.6	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0,1%.	Endocrine disrupting properties: None of the ingredients are listed ≥ 0,1%.
15.1	List of substances subject to authorisation (REACH, Annex	List of substances subject to authorisation (REACH, Annex

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Indication of changes (revised safety data sheet)		
Section	Former entry (text/value)	Actual entry (text/value)
	XIV) / SVHC - candidate list: None of the ingredients are listed	XIV) / SVHC - candidate list: None of the ingredients are listed $\geq 0,1\%$

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW	Workplace exposure limit
Asp. Tox.	Aspiration hazard
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DFG	Deutsche Forschungsgemeinschaft MAK- und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern

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Abbr.	Descriptions of used abbreviations
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
TRGS 900	Arbeitsplatzgrenzwerte (TRGS 900)
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

**Key literature references and sources for data**

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

**Classification procedure**

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**List of relevant phrases (code and full text as stated in section 2 and 3)**

Code	Text
H304	May be fatal if swallowed and enters airways.

**Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Internal code**

OBERMEIER 001509