

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Koranol Holzpflegeöl
Article number : 4301051-00
Revision date : 09.10.2019
Print date : 09.10.2019
Version (Revision) : 5.1.0 (5.0.1)

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

1.1 Product identifier

Koranol Holzpflegeöl (4301051-00)

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

Relevant identified uses

Coatings

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kurt Obermeier GmbH & Co. KG
Spezialchemikalien Holzschutz

Street : Berghäuser Str. 70

Postal code/city : 57319 Bad Berleburg

Telephone : +492751/524-0

Telefax : +492751/5041

Information contact : E-Mail: sdb@obermeier.de

1.4 Emergency telephone number

+49 / (0)700 24112112 (KOR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Classification procedure

Calculation method.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard components for labelling

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P331 Do NOT induce vomiting.

P405 Store locked up.

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Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains Fatty acids C18 unsat, reaction products with tetraethylenepentamine. May produce an allergic reaction.

2.3 Other hazards

Vapours can form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; REACH No. : 01-2119457273-39- ; EC No. : 918-481-9

Weight fraction : $\geq 70 - < 85$ %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

alkanes, C11-15-ISO- ; REACH No. : 01-2119456810-40 ; EC No. : 292-460-6; CAS No. : 90622-58-5

Weight fraction : $\geq 1 - < 10$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304

Fatty acids C18 unsat, reaction products with tetraethylenepentamine ; EC No. : 629-725-6; CAS No. : 1226892-45-0 (M Acute=10) (M Chronic=1)

Weight fraction : $\geq 0,025 - < 0,1$ %

Classification 1272/2008 [CLP] : Skin Corr. 1C ; H314 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Provide fresh air.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider

First aider: Pay attention to self-protection!

Notes for the doctor

Special treatment

Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

May produce an allergic reaction. May be fatal if swallowed and enters airways. Repeated exposure may cause skin

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dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂) alcohol resistant foam Water spray jet Extinguishing powder Sand

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

In case of fire toxic gases may be formed. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals. Use personal protection equipment. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

None

6.5 Additional information

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

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

Measures to prevent fire

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

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Hints on joint storage

Storage class (TRGS 510) : 10

Further information on storage conditions

Protect containers against damage.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Limit value type (country of origin) : Switzerland SUVA Limit Values (D)

Limit value : 50 ml/m³ / 300 mg/m³

Remark : MAK

Version :

Limit value type (country of origin) : Switzerland SUVA Limit Values (D)

Limit value : 100 ml/m³ / 600 mg/m³

Remark : KZG Wert

Version :

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 600 mg/m³

Version :

Limit value type (country of origin) : TWA (D)

Limit value : 1200 mg/m³ / 184 ppm

Version :

Biological limit values

No data available

DNEL-/PNEC-values

DNEL/DMEL

No data available

PNEC

No data available

8.2 Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. EN ISO 374

Suitable material : Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Thickness of the glove material : 0,4 mm

Respiratory protection

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Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation Handling larger quantities. aerosol or mist formation.

Suitable respiratory protection apparatus

Filtering device with filter or ventilator filtering device of type: A

General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.3 Additional information

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid

Colour : Different according to colour

Odour

like: Hydrocarbons, aliphatic.

Safety characteristics

Solidifying point :	(1 bar / 1 Pa)		not determined		Brookfield
Melting point/freezing point :			not determined		
Freezing point :			not determined		
Initial boiling point and boiling range :			not determined		
Decomposition temperature :			not determined		
Flash point :		>	61	°C	
Auto-ignition temperature :			not determined		
Lower explosion limit :			not determined		
Upper explosion limit :			not determined		
Vapour pressure :	(50 °C)		not determined		
Density :	(20 °C)	approx.	0,84	g/cm ³	
Solvent separation test :	(20 °C)		not determined		
Fat solubility :	(20 °C)		Not determined.		
Solubility in water			Insoluble		
pH :	(20 °C)		not applicable		
log P O/W :			not determined		
Kinematic viscosity	(25 °C)	>	30	s	ISO 2431
Cinematic viscosity :	(40 °C)	approx.	4,4	mm ² /s	
Solid content :		approx.	23	Wt %	
Odour threshold :			not determined		
Relative vapour density :	(20 °C)		not determined		
Evaporation rate :			not determined		
Vapourisation rate :			not determined		
VOC-value :		<	700	g/l	
Flammable solids :	Not determined.				
Flammable gases :	Not determined.				
Oxidising liquids :	Not determined.				
Explosive properties :	Not determined.				
Corrosive to metals :	Not determined.				

9.2 Other information

No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

10.7 Additional information

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter : LD50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg
Method : OECD 401

The product has not been tested.

Acute dermal toxicity

Parameter : LD50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg
Method : OECD 402

The product has not been tested.

Acute inhalation toxicity

Parameter : LC50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Exposure route : Inhalation
Species : Rat
Effective dose : 4951 mg/m³
Method : OECD 403

The product has not been tested.

Specific effects (Longterm animal experiment)

The product has not been tested.

Corrosion

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

The product has not been tested.

Irritation to respiratory tract

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The product has not been tested.

Respiratory or skin sensitisation

Skin sensitisation

The product has not been tested.

Sensitisation to the respiratory tract

The product has not been tested.

Repeated dose toxicity (subacute, subchronic, chronic)

The product has not been tested.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

The product has not been tested.

Germ cell mutagenicity

The product has not been tested.

Reproductive toxicity

The product has not been tested.

STOT-single exposure

The product has not been tested.

STOT-repeated exposure

The product has not been tested.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Toxicokinetics, metabolism and distribution

The product has not been tested.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

No data available

11.4 Other adverse effects

No data available

11.5 Additional information

May produce an allergic reaction.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : > 1000 mg/l
Exposure time : 96 h
Method : OECD 203

The product has not been tested.

Chronic (long-term) fish toxicity

Parameter : NOEC (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 0,1 mg/l
Exposure time : 28 D

The product has not been tested.

Acute (short-term) toxicity to crustacea

Parameter : EC50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

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Species : Daphnia magna (Big water flea)
Effective dose : > 1000 mg/l
Exposure time : 48 h
Method : OECD 202

The product has not been tested.

Chronic (long-term) toxicity to crustacea

Parameter : NOEC (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Species : Daphnia magna (Big water flea)
Effective dose : 0,18 mg/l
Exposure time : 28 D

The product has not been tested.

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : ErC50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Species : Pseudokirchneriella subcapitata
Effective dose : > 1000 mg/l
Exposure time : 72 h
Method : OECD 201

Parameter : EbC50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Species : Pseudokirchneriella subcapitata
Effective dose : > 1000 mg/l
Exposure time : 72 h
Method : OECD 201

The product has not been tested.

Chronic (long-term) algae toxicity

Parameter : NOEC (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Species : Pseudokirchneriella subcapitata
Effective dose : 1000 mg/l
Exposure time : 72 h
Method : OECD 201

The product has not been tested.

Toxicity to microorganisms

The product has not been tested.

Terrestrial toxicity

The product has not been tested.

Toxicity to terrestrial plants

The product has not been tested.

Effects in sewage plants

The product has not been tested.

12.2 Persistence and degradability

Abiotic degradation

The product has not been tested.

Biodegradation

Parameter : Biodegradation (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Degradation rate : 80 %
Test duration : 28 D
Method : OECD 301F

The product has not been tested.

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

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The product has not been tested.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

No data available

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.

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

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

Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Transport information Land transport (ADR/RID) : Sea transport (IMDG) : Air transport (ICAO-TI / IATA-DGR) :

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

National regulations

Technische Anleitung Luft (TA-Luft)

Sum organic substances class III : 70 - 85 %

Water hazard class (WGK)

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Class : 1 (Slightly hazardous to water) Classification according to AwSV

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

08. Occupational exposure limit values

16.2 Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals

GHS - Globally Harmonised System of Classification and Labeling

CLP - Classification, Labeling and Packaging of Substances and Mixtures

CAS - Chemical Abstract Service

TWA - Time Weighted Average

DNEL/DMEL - Derived No Effect Level

PNEC - Predicted No Effect Concentration

STP - Sewage Treatment Plant

TRGS - Technical Rules for Hazardous Substances (German Regulations)

STEL - Short-term Exposure Limit

TLV - threshold limit value

AGW - Occupational threshold limit value

RCP - Reciprocal Calculation Procedure

ATE - Acute Toxicity Estimate

MAK Threshold limit values Germany

LD50 - Lethal Dose, 50%

LC50 - Lethal concentration, 50%

OECD - Organization for Economic Cooperation and Development

NOAEL - No Observed Adverse Effect Level

EC50 - half maximal effective concentration

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)

IMDG - International Maritime Dangerous Goods Code

ICAO - International Civil Aviation Association

IATA - International Air Transport Association

VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes

AwSV - Ordinance on facilities for handling substances that are hazardous to water

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
