



**Safety Data Sheet according to
Regulation (EC) No. 1907/2006 (REACH)**

Version: 1

Revision date: 14.04.2014

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

1.1. Product identifier

Garden Furniture Oil (art. 309)

CAS No.: -
EC No.: -
INDEX No.: -
REACH No.: -

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

Relevant identified uses: Treatment for wood
Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Manufacturer

KREIDEZEIT Naturfarben GmbH

Cassemuehle 3
D 31196 Sehlem

Telephone: +49 (0) 506 0 608 06 50

Telefax: +49 (0) 506 0 608 06 80

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

KREIDEZEIT Naturfarben GmbH

Cassemuehle 3
D 31196 Sehlem

Telephone: +49 (0) 506 0 608 06 50

Telefax: +49 (0) 506 0 608 06 80

Information contact

KREIDEZEIT Naturfarben GmbH

Information telephone: +49 (0) 506 0 608 06 50

Information telefax: +49 (0) 506 0 608 06 80

E-mail (competent person): info@kreidezeit.de

Website: www.kreidezeit.de

National contact

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Information telephone: +49 (0) 506 0 608 06 50

Information telefax: +49 (0) 506 0 608 06 80

E-mail (competent person): info@kreidezeit.de

Website: www.kreidezeit.de

Dept. responsible for information:

KREIDEZEIT Naturfarben GmbH

1.4. Emergency telephone number

KREIDEZEIT Naturfarben GmbH
(only during opening times)

Telephone: +49 (0) 506 0 608 06 50

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:

Flam. Liq. 3; H226 , Acute Tox. 4; H332 , Acute Tox. 4; H312 , Acute Tox. 4; H302 , Asp. Tox. 1; H304 , Eye Irrit. 2; H319 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Chronic. 2; H411

Directive 67/548/EEC:

-; R10 , Xn; R20 , Xn; R21 , Xn; R22 , Xi; R36 , Xi; R38 , -; R43 , N; R51 , -; R53 , Xn; R65

2.2. Label elements

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

Hazard pictograms:



GHS02, GHS08, GHS07, GHS09

Signal word:

Danger

Hazard statements:

226 Flammable liquid and vapour.

302 Harmful if swallowed.

304 May be fatal if swallowed and enters airways.

312 Harmful in contact with skin.

315 Causes skin irritation.

317 May cause an allergic skin reaction.

319 Causes serious eye irritation.

332 Harmful if inhaled.

411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

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

233 Keep container tightly closed.

240 Ground/bond container and receiving equipment.

241 Use explosion-proof electrical/ventilating/lighting/ equipment.

242 Use only non-sparking tools.

243 Take precautionary measures against static discharge.

261 Avoid breathing dust/fume/gas/mist/vapours/spray.

264 Wash with water and soap thoroughly after handling.

270 Do not eat, drink or smoke when using this product.

271 Use only outdoors or in a well-ventilated area.

272 Contaminated work clothing should not be allowed out of the workplace.

273 Avoid release to the environment.

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

301+310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

301+312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

302+352 IF ON SKIN: Wash with plenty of water/soap.

303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

312 Call a POISON CENTER/doctor if you feel unwell.

321 Specific treatment (see information on this label).

322 Specific measures (see information on this label).

330 Rinse mouth.

331 Do NOT induce vomiting.

332+313 If skin irritation occurs: Get medical advice/attention.

333+313 If skin irritation or rash occurs: Get medical advice/attention.

337+313 If eye irritation persists: Get medical advice/attention.

- 362 Take off contaminated clothing.
363 Wash contaminated clothing before reuse.
370+378 In case of fire: Use alcohol resistant foam to extinguish.
391 Collect spillage.
403+235 Store in a well-ventilated place. Keep cool.
405 Store locked up.
501 Dispose of contents/container to waste disposal.

Classification according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols:



- R-phrases:** Xn Harmful.
N Dangerous for the environment.
10 Flammable.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
36/38 Irritating to eyes and skin.
43 May cause sensitization by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases: 65 Harmful: may cause lung damage if swallowed.
36/37 Wear suitable protective clothing and gloves.
46 If swallowed, seek medical advice immediately and show this container or label.
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

2.3. Other hazards

See attached safety data sheets and/or usage instructions.

SECTION 3: Composition / information on ingredients

3.1. Substances

Wood glaze is a mixture.

3.2. Mixtures

The mixture consists among other things of the following components.

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Turpentine oil	232-350-7	8006-64-2	650-002-00-6	01-2119502456-45-0000	< 50 % (w/w)	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Asp. Tox. 1; H304 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic. 2; H411	-; R10 Xn; R20/21/22 Xi; R36/38 -; R43 N; R51/53 Xn; R65

Substance with a common (EC) occupational exposure limit value

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:

(Full text of R-, H- and EUH-phrases: see section 16.)

Additional information

none

SECTION 4: First aid measures

4.1. Description of first aid measures

- General information:** In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Take off immediately all contaminated clothing.
- Following inhalation:** Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.
- Following skin contact:** After contact with skin, wash immediately with plenty of water and soap. Rub in high-fat content cream. In case of skin irritation, seek medical treatment.
- After eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After ingestion:** Rinse mouth immediately and drink large quantities of water. No administration in cases of unconsciousness or cramps. Do not induce vomiting. Immediately get medical attention.

Self-protection of the first aider: First aid assistant: Pay attention to self-protection!

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

- Symptoms:** No symptoms known up to now.
- Nature of Hazard:** No risks worthy of mention.

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

- Notes for the doctor:** Let water be swallowed in little sips (dilution effect).
- Special treatment:** First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media:** Water fog. alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO₂).
- Unsuitable extinguishing media:** High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide.

5.3. Advice for firefighters

General information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray/stream to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Guide people to safety. Provide adequate ventilation. Remove all

sources of ignition. Keep away from unprotected people. Keep upwind. Eliminate leaks immediately.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly. Wash with generous amount of water.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Do not breathe gas/fumes/vapour/spray.

Technical measures

Provide for sufficient ventilation and punctiform suction at critical points.

Precautions against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Additional information

none

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Ensure adequate ventilation of the storage area. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Packaging materials

Keep/Store only in original container. Keep container tightly closed.

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Hints on joint storage

Do not store together with: Oxidizing agents.

Storage class: 3

Further information on storage conditions

Protect against: heat.

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
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Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
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DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer
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PNEC Value

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
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Risk management measures according to used control banding approach

none

Additional information

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls

Occupational exposure controls

Provide for sufficient ventilation and punctiform suction at critical points. Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

General protection and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection required in case of: Formation of aerosol. gas filtering equipment (EN 141).

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374 Suitable material: Butyl rubber. FKM (fluororubber).

Eye/face protection

Tightly sealed safety glasses.

Body protection

Suitable protection of the body: Overall. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Colour:	No data available
Odour:	characteristic
Odour threshold:	No data available

Safety relevant basis data

	parameter	unit	remark
Density:			No data available
Bulk density:			not applicable
pH:			No data available
Melting point/freezing point:			No data available
Initial boiling point and boiling range:			No data available
Flash point:			No data available
Flammability (solid, gas):			No data available
Explosivity:			No data available
Lower explosion limit:			not applicable
Upper explosion limit:			not applicable
Ignition temperature:			No data available
Decomposition temperature:			No data available
Oxidizing potential:			No data available
Vapour pressure:			No data available
Vapour density:			No data available
Evaporation rate:			No data available
Water solubility:			No data available
Fat solubility:			No data available
Soluble in:	:		not applicable
Partition coefficient: n-octanol/water:			No data available
Viscosity:			No data available
Solvent separation test:			No data available
Solvent content:			No data available

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

Vapours may form explosive mixtures with air.

10.2. Chemical stability

With proper storage and handling the product is stable.

10.3. Possibility of hazardous reactions

Violent reaction with: Oxidizing agents.

10.4. Conditions to avoid

heat. Keep away from sources of ignition - No smoking.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon dioxide. Carbon monoxide.

Additional information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data apply to the principal component.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
Turpentine oil	8006-64-2	Acute toxicity, oral LD50: 5760 mg/kg (Rat.)

Specific symptoms in laboratory animals

No information available.

Irritation and etching

Irritant effect on the skin
irritant.

Irritant effect on the eye
irritant.

Irritant effect on the respiratory tract
Not an irritant.

Additional information
not corrosive

Sensitization

May cause sensitization in susceptible people.

Repeated dose toxicity (subacute, subchronic, chronic)

No risks worthy of mention.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

General remarks

none

Practical experience/human evidence

none

Other observations

none

Other information

none

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity

12.2. Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

12.4. Mobility in soil

none

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

none

Further ecological information

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

Further details

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Appropriate disposal / Package

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste code product: 08 01 11 - waste paint and varnish containing organic solvents or other dangerous substances

Waste code packaging: 15 01 10 - packaging containing residues of or contaminated by dangerous substances

remark

Waste disposal according to official state regulations.

SECTION 14: Transport information

14.1. UN number

UN No.: 1299

14.2. UN proper shipping name

Official directive for the transport

Turpentine
DIPENTENE, ISOPROPYLTOLUENE

Proper Shipping name

Turpentine
DIPENTENE, ISOPROPYLTOLUENE

14.3. Transport hazard class(es)

Hazard label(s): 3

Classification code: F1



14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmental hazards: ENVIRONMENTALLY HAZARDOUS

14.6. Special precautions for user

Land transport (ADR/RID)

Remark: none

Transport category: 3

Tunnel restriction code: D/E

Special provisions: -

Limited quantity (LQ): 5 L

Sea transport (IMDG)

Special Provisions: Materials to avoid: Oxidizing agents.

Remark: none

EmS-No: F-E, S-E MFAG: 313 Marine pollutant: YES (P)

Special provisions: - Limited quantity (LQ): 5 L

UN proper shipping name

Remark: none

Limited quantity (LQ): 5 L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark: none

SECTION 15: Regulatory information

Labeling

Hazardous component(s) for labelling

Turpentine oil

Special labelling of particular preparations

Safety data sheet available for professional user on request.

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

none

Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.

none

Regulation (EC) No. 648/2004 (Detergents regulation)

none

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Storage class

3

Water hazard class (WGK)

2 water pollutant (WGK 2)

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out:

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements

- 226 Flammable liquid and vapour.
- 302 Harmful if swallowed.
- 304 May be fatal if swallowed and enters airways.
- 312 Harmful in contact with skin.
- 315 Causes skin irritation.
- 317 May cause an allergic skin reaction.
- 319 Causes serious eye irritation.
- 332 Harmful if inhaled.
- 411 Toxic to aquatic life with long lasting effects.

R-phrases

- 10 Flammable.
- 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- 36/38 Irritating to eyes and skin.
- 43 May cause sensitization by skin contact.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.

Training advice

none

Recommended restrictions of use

refer to chapter 1.

Further remarks

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.

Documentation of changes

none

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

none
