



# Safety Data Sheet

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

Version: 1

Language: EN

Revision date: 08.10.2018

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

# Shellack Varnish

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

Identified uses of the substance or mixture: Wood coat

Not recommended uses of the substance or mixture: Other

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

#### Manufacturer / Supplier

KREIDEZEIT Naturfarben GmbH

Kassemühle 3  
D 31195 Lamspringe

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

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

#### Information contact

KREIDEZEIT Naturfarben GmbH

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

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

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

Website: [www.kreidezeit.de](http://www.kreidezeit.de)

### 1.4 Emergency telephone number

KREIDEZEIT Naturfarben GmbH

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

only during opening times

### 1.5 Dept. responsible for information

KREIDEZEIT Naturfarben GmbH

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008:

Flam. Liq. 2; H225

Directive 67/548/EEC:

F; R11

### 2.2 Label elements

#### 2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: GHS02, GHS07  
Danger

- H phrases:** 225 Highly flammable liquid and vapour.  
319 Causes serious eye irritation.
- P phrases:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P243 Take precautionary measures against static discharge.  
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/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

## 2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:



- R phrases:** F Highly flammable.  
11 Highly flammable.
- S phrases:** 2 Keep out of the reach of children.  
7 Keep container tightly closed.  
16 Keep away from sources of ignition - No smoking.

## 2.3 Other hazards

See attached safety data sheets and/or usage instructions.

## 3. Composition/information on ingredients

### 3.1 Chemical characterization of the substance or mixture

Alcoholic solution of natural resins.

### 3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Ethanol	200-578-6	64-17-5	603-002-00-5	01-2119457610-43-0000	> 50 % (w/w)	Flam. Liq. 2; H225	F; R11
Shellac	232-549-9	9000-59-3		05-2114511069-55-0000	25-50 % (w/w)		

#### Ingredients with EC exposure limits

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

(The wording of the listed risk phrases is given in Chapter 16)

### 3.3 Additional information

none

## 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

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<b>Following inhalation:</b>	safety data sheet if possible). Take off immediately all contaminated clothing. Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.
<b>After skin contact:</b>	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.
<b>Following eye contact:</b>	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if problems persist.
<b>After ingestion:</b>	Rinse mouth immediately and drink large quantities of water. Seek medical attention if problems persist.
<b>Self-protection:</b>	No special measures are necessary.

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

<b>Symptoms:</b>	drowsiness. Dizziness. Disorientation. unconsciousness. Nausea.
<b>Nature of Hazard:</b>	Caution if victim vomits: Risk of aspiration!

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

<b>Emergency aid:</b>	No special measures are necessary.
<b>Treatment:</b>	No special measures are necessary.

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### 5. Fire fighting measures

#### 5.1 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.

#### 5.2 Extinguishing media

<b>Suitable:</b>	Water fog. alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable:</b>	High power water jet.

#### 5.3 Special hazards arising from the substance or mixture

Can be released in case of fire: Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

#### 5.4 Advice for fire fighters

##### Special protective equipment for fire-fighters

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.

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### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Guide people to safety. Remove all sources of ignition. Provide adequate ventilation. Wear personal protection equipment. See protective measures under point 7 and 8.

#### 6.2 Environmental precautions

Do not empty into drains or the aquatic environment.

#### 6.3 Methods and materials 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 References to other sections

See protective measures under point 7 and 8.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Information for 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 storerooms and containers

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

#### Information about storing together in storage facility

Do not store together with: Oxidizing agents.

#### Further information concerning storage conditions

Protect against: heat.

**Storage class:** 3

### 7.3 Specific end use(s)

Observe instructions for use.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

#### 8.1.1 Limits for occupational exposure

##### Exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
Ethanol	64-17-5	TRGS 900 (Ethanol 01/06)	500 ppm / 960 mg/m <sup>3</sup>	2 (II)	DFG, Y

-		TRGS 900 (General dust limit value 01/06)	3 mg/m <sup>3</sup> A/ 10 mg/m <sup>3</sup> E	2(II)	AGS
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**EC exposure limit values**

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

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

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
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**8.1.3 Control-Banding****Control-Banding**

none

**8.1.4 Additional information**

AGS: Committee on Hazardous Substances

E: Inhalable fraction

A: respirable fraction

DFG: Senate Commission for the Investigation of Health Hazards of Chemical Compounds from the DFG (MAK Commission)

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

**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.

**Chemical handling**

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 protection**

Tightly sealed safety glasses.

**Skin 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.

### 8.3 Exposure scenario

none

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

State of matter:	liquid
Colour:	yellow
Odour:	No data available
Odour threshold:	No data available

#### Safety relevant basis data

	Parameter	Value	Unit	Remark
Density:				No data available
Package density:				not applicable
pH:				No data available
Melting point / range:				No data available
Boiling temperature / range:				No data available
Flash point:				No data available
Flammability:				No data available
Lower flammability limit:				not applicable
Upper flammability limit:				not applicable
Explosion hazard:				No data available
Lower explosion limit:				not applicable
Upper explosion limit:				not applicable
Ignition temperature:				No data available
Decomposition temperature:				No data available
Oxidizing characteristics:				Not oxidizing.
Vapour pressure:				No data available
Relative vapour density:				No data available
Speed of vaporization/evaporation rate:				No data available
Solubility in water:				No data available
Fat solubility:				No data available
Solubility in log P O/W (n-octanol / water):	:			not applicable
Viscosity:				No data available
Solvent separation test:				No data available
Solvent content:				No data available

### 9.2 Other information

none

## 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: Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

### 10.7 Additional information

none

## 11. Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the mixture itself.

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Ethanol	64-17-5	Acute toxicity, LD50 oral: 7060 mg/kg (Rat)

#### Specific symptoms in laboratory animals

No information available.

### 11.2 Irritation and etching

#### Irritant effect on the skin

mild irritant.

#### Irritant effect on the eye

mild irritant.

#### Irritant effect on the respiratory tract

Not an irritant.

#### Etching

not corrosive

### 11.3 Sensitization

no danger of sensitization.

### 11.4 Repeated dose toxicity

Causes damage to liver through prolonged or repeated exposure by swallowing.

### 11.5 CMR effects

#### Carcinogenicity

No indications of human carcinogenicity exist.

#### Mutagenicity

No indications of human germ cell mutagenicity exist.

#### Reproductive toxicity

No indications of human reproductive toxicity exist.

### 11.6 General remarks

Caution if victim vomits: Risk of aspiration!

**Practical experience**

Following symptoms can occur: drowsiness. Dizziness.

**Other observations**

none

**Additional information**

none

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**12. Ecological information****12.1 Toxicity**

There are no data available on the mixture itself.

**Eco toxicity**

Substance:	CAS-No.:	Ecotoxicity
Ethanol	64-17-5	Acute fish toxicity, LC50 (96h): 11000 mg/l (Median) Acute crustacean toxicity, LC50 (48h): 9280 mg/l (Median)

**12.2 Persistence and degradability**

Product is biodegradable.

**12.3 Bio accumulative 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

**12.7 Further ecological information**

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

**12.8 Further details**

none

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**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/ packaging**

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

**Control report for waste code/ waste marking according to EAKV**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a



specific way for every industry and process.

**Waste key product:** 08 01 12 - waste paint and varnish other than those mentioned in 08 01 11

**Waste key packaging:** 15 01 06 - mixed packaging

**Remark**

Waste disposal according to official state regulations.

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## 14. Transport information

### 14.1 Overland transport (ADR/RID)

**Proper Shipping name**

Ethanol, solution, conc. > 70 % by volume

**UN No.:** 3065

**Label:** 3

**Packing Group:** II

**Classification code:** F1

**Remark:** Special provisions: Limited quantity (LQ): Tunnel restriction code:

### 14.2 Transport by sea (IMDG)

**Proper Shipping name**

Ethanol, solution, conc. > 70 % by volume

**UN-No.:** 3065

**Label:** 3

**Packing Group:** II

**EmS-No:**

**MFAG:**

**Marine pollutant:**

**Special Provisions:** Materials to avoid: Oxidizing agents. Keep away from food, drink and animal feedingstuffs.

**Remark:** Special provisions: Limited quantity (LQ):

### 14.3 Air transport (ICAO-TI / IATA-DGR)

**Proper Shipping name**

Ethanol, solution, conc. > 70 % by volume

**UN/ID-No.:** 3065

**Label:** 3

**Packing Group:** II

**Remark:** Limited quantity (LQ):

### 14.4 Mail

Overland transport (ADR/RID)

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## 15. Regulatory information

### 15.1 Labelling

**Hazardous component(s) for labelling**

Ethanol

**Special labelling of particular preparations**

Safety data sheet available for professional user on request.

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

**EU-Regulations**

**Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)**

Volatile organic compounds (VOC) in percentage by weight:

**Regulation (EC) No 2037/2000 on substances that deplete the ozone layer**

none

**Regulation (EC) No 850/2004 on persistent organic pollutants**

none

**Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals**

none

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

none

**Restrictions under Title VIII of Regulation (EC) No 1907/2006**

none

**National regulations**

Moreover, national legislation has to be observed!

**Informations on working limitations**

none

**Major Accidents Ordinance**

Not subject to StörfallVO.

**Storage class according to VCI**

3

**Water Hazard Class according to VwVwS**

1 weak water pollutant (WGK 1)

**Technical Instructions on Air Quality Control (TA-Luft)**

Not subject to TA-Luft.

**Further regulations, limitations and legal requirements**

none

**15.3 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.

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**16. Other information****16.1 Wording of the H and R-phrases under paragraph 3****Regulation (EC) No 1272/2008**

225 Highly flammable liquid and vapour.

**Directive 67/548/EEC**

11 Highly flammable.

**16.2 Training instructions**

none

**16.3 Recommended restrictions of use**

refer to chapter 1.

**16.4 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.

### **16.5 Documentation of changes**

none

### **16.6 Data sources**

Data arise from reference works and literature.

### **16.7 Key and definition**

none

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