



Safety Data Sheet

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

Version: 1

Language: EN

Revision date: 18.11.2013

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

1.1 Product identifier

Shellac Shielding Primer (Schellackisoliergrund)

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

Identified uses of the substance or mixture: Wall isolating primer.

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

Cassemuehle 3
D 31196 Sehlem

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

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Information contact

KREIDEZEIT Naturfarben GmbH

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

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

Website: www.kreidezeit.de

1.4 Emergency telephone number

Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord) **Telephone:** +49 (0) 551 19 240

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
Danger

| | | |
|-------------------|-------------|--|
| H phrases: | 225 | Highly flammable liquid and vapour. |
| P phrases: | 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. |
| | 280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| | 303+361+353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| | 370+378 | In case of fire: Use .? to extinguish. |
| | 403+235 | Store in a well-ventilated place. Keep cool. |
| | 501 | Dispose of contents/container to .?. |

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:



| | | |
|-------------------|----|--|
| R phrases: | F | Highly flammable. |
| S phrases: | 11 | Highly flammable. |
| | 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 minerals, resins and oils.

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: |
|--|-----------|-------------|--------------|-----------------------|-----------------|------------------------------------|-----------------------------|
| Titanium(IV) oxide | 236-675-5 | 13463-67-7 | | | 25 - 50 % (w/w) | | |
| Chlorite-group, minerals | 215-285-9 | 1318-59-8 | | | 10 - 25 % (w/w) | | |
| Mica | 310-127-6 | 12001-26-2 | - | - | 10 - 25 % (w/w) | | |
| Quartz | 238-878-4 | 14808-60-7 | - | - | 10 - 25 % (w/w) | | |
| 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 | 10 - 25 % (w/w) | | |
| Talc | 238-877-9 | 14807-96-6 | | | 1 - 10 % (w/w) | | |
| Linseed oil | 232-278-6 | 8001-26-1 | | | 1 - 10 % (w/w) | | |
| Resins, of polymerized glycerol ester | 232-479-9 | 68475-37-6 | | | 1 - 10 % (w/w) | | |
| silicon dioxide, obtained by a chemical method | 231-545-4 | 112945-52-5 | | 01-2119379499-16-0000 | 1 - 10 % (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 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.

After 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.

Following eye contact: 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.

After ingestion: Rinse mouth immediately and drink large quantities of water. Seek medical attention if problems persist.

Self-protection: No special measures are necessary.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: drowsiness. Dizziness. Disorientation. unconsciousness. Nausea.

Nature of Hazard: Caution if victim vomits: Risk of aspiration!

4.3 Indication of any immediate medical attention and special treatment needed

Emergency aid: No special measures are necessary.

Treatment: No special measures are necessary.

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

Suitable: Water fog. alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable: 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.

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 ³ | 2 (II) | DFG, Y |
| - | | TRGS 900 (General dust limit value 01/06) | 3 mg/m ³ A/ 10 mg/m ³ E | 2(II) | AGS |

EC exposure limit values

| Substance: | CAS-No.: | Source: | Occupational exposure limit value: | Limitation of exposure peaks: | Remark: |
|------------|----------|---------|------------------------------------|-------------------------------|---------|
| | | | | | |

8.1.2 DNEL and PNEC values

DNEL-values

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

PNEC-values

| Substance: | CAS-No.: | PNEC | Worker, industry | Worker, professional | consumer |
|------------|----------|------|------------------|----------------------|----------|
| | | | | | |

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: | No data available |
| 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

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

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.

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)

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.

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
