

GLEIVO Beeswax No. 315

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1. Chemical product and it's preparation / Identification of the company**Trade Name:** GLEIVO - Beeswax No. 315**Use of the substance / preparation:** Coating of interior timber.

Manufacturer: LIVOS Pflanzenchemie GmbH & Co. KG
Auengrund 10
D - 29568 Wieren

Technical contact point: Product Safety Department
Telephone / E-mail: Tel.: +49 5825 88-0 / projekte@livos.de
Emergency Phone: +49 (0)5825 88-0 (Mon-Thu 7am-4pm and Fri 7am-1pm)
+49 (0)30 - 30686790 (24h)

2. Hazards identification**Hazard statements:** The preparation is not dangerous in the sense of the guideline 1999/45/EG.**Additional information about special dangers for humans and the environment:**

R 53 May cause long-term adverse effects in the aquatic environment. Contains : Cobalt (2+) salts. Can cause allergic reactions. At increased temperatures the liquid can evaporate and develop explosive mixtures at or above the flash point. See also point 9.

3. Composition / information on ingredients**Chemical characterization (substance) :** Preparation out of: Beeswax, micronized wax, carnauba wax, pine oil, linseed oil, orange oil, isoaliphates, alumina, rosemary oil and drying agents free of lead.**Hazardous ingredients:**

CAS-No	Name	Percent	Symbol	R-phrases
90622-57-4	Isoalkane	51 - 100	Xn	R 53, R 65, R 66
90622-58-5	Isoalkane	51 - 100	Xn	R 65, R 66

4. First aid measures**General information:** Change moistened clothes**In case of inhalation:** Provide fresh air. Keep affected person still. Consult a physician if problems persist.**In case of skin contact:** Wash the skin area with water and soap. Consult a physician if skin reaction persists.**In case of eye contact:** Flush eyes immediately with plenty of flowing water for several minutes, holding eyelids apart. Consult an optician if eye irritation persists.**In case of ingestion:** Do NOT induce vomiting. Keep affected person still and consult a physician.**5. Fire-fighting measures****Suitable extinguishing media:** Foam, Extinguishing powder, Carbon dioxide, Water mist.**Extinguishing media which must not be used for safety reasons:** Full water jet.**Special hazards arising from the substance or preparation itself, combustion products, developing gases:**
-**Special protective equipment for fire-fighters :** Use suitable breathing apparatus.**6. Accidental release measures****Personal precautions:** Keep public away. Provide enough ventilation**Environmental precautions:** Do not allow to enter water bodies or drains.**Methods for cleaning up :** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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7. Handling and storage

Advice on safe handling:	Keep container tightly closed. Provide good ventilation at the workstation.
Precautions against fire and explosion:	Keep away from sources of ignition - No smoking.
Further information:	
Information on storage conditions:	Store cool and dry. Protect against heat and direct exposure to the sun.
Requirements for storage rooms and containers:	Floor needs to be solvent steady and properly sealed.
Hints on storage assembly:	Do not store together with oxidizing agents. Validity for common storage with products of other categories is to be proven separately.
Storage class:	-

8. Exposure controls / Personal protection**Monitor requiring components with occupational exposure limits resp. Biological exposure limits:****Occupational exposure limits (AGW) Germany:**

CAS-No.	Designation of the material	Limit	Unit	Type
90622-58-5	Hydrocarbon Mixture	1000	mg/m ³	TRGS 900/901
90622-58-5	Hydrocarbon Mixture	1000	mg/m ³	TRGS 900/901

Exposure control and limitation:

Recommended methods of analysis for job measurements: See series of publications of the Federal Institution for industrial safety and industrial medicine (BAuA)"dangerous working materials" (GA 13)

Personal protection equipment:	The usual precautionary measures while handling chemicals are to be considered.
Respiratory protection:	Should the room air concentrations exceed the abovementioned approximate value, despite technical precautionary measures, take actions for extraction or similar, otherwise wear respiratory protection, e.g. filter half mask type "A" or something similar.
Hand protection:	Protective gloves with resistance to chemicals. Suitable material: nitriles rubber. Exact penetration times are to be requested from the manufacturer, and kept to.
Eye protection:	Safety glasses with side protection.
Protective clothing for the body:	-

9. Physical and chemical properties

Color:	yellowish
Physical state:	solid
Odor:	mild
Melting point / melting range:	n.d.
Boiling temperature / boiling range:	I.B.P. of solvent 199 °C
Flash point:	>65 °C
Ignition temperature:	>200 °C
Autoinflammability:	The product will not combust spontaneously. There is a danger of spontaneous combustion caused by the plant oil content, e.g. for moistened cloths, adsorbent materials and not completely-dried grinding dust (autoxidation); these materials must be kept away from oxygen and light.
Risk of explosion:	The product in itself is not explosive, however, the development of explosive steam/air mixtures is possible.
Exposition limits (LEL, UEL):	upper: 7% Vol. lower: 0.6% Vol.
Vapor pressure:	n.d.
Solidification:	n.d.
pH-Value:	n.a.
Density:	at 20 °C ca. 0.78 g/cm ³
Water solubility:	insoluble
Viscosity:	kinematic > 7cSt (at 40 °C)

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10. Stability and reactivity**Dangerous reactions:****Materials to avoid:**

No decomposition when used for its intended purpose.

Hazardous decomposition products:

No hazardous decomposition products known.

11. Toxicological information

The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

Practical experience:

According to the general experience there are no other hazards expected than those which are already mentioned on the label. Watch out for possible allergic reactions to particular agents.

Information on ingredients**Acute toxicity:**

Component (Name)	Kind	Value	Species
Hydrocarbon Mixture	isoaliphatic	oral 6000 mg/kg	rat

Primary irritation:**After inhalation:**

Steam concentrations above the recommended workplace value cause irritation to the eyes and respiratory system. Headaches, dizziness and disturbances of the central nervous system can likewise be caused.

After skin contact:

Weak toxic effect. Frequently or persisting skin contact can degrease and drain the skin, which can lead to skin disorders and inflammations (Dermatitis).

After eye contact:

Causes light eye complaints, however no damage of the eye fabric.

After swallowing:

Smaller quantities which enter into the lungs through swallowing and subsequent vomiting can lead to a pulmonary edema or to pneumonia. Very little toxic effect.

12. Ecological information**General information:**

Do not allow to enter groundwater, water bodies or drains. Contains weakly water-endangering solvents, according to German Water Endangerment Class (WGK) 1.

Ecotoxicity:

n.a.

Persistence and degradability:

n.a.

13. Disposal considerations**Recommendation:**

Dispose of waste according to applicable local, state, and federal regulations.

Waste codes in accordance with EWC (European Waste Catalogue):

08 01 11 Paint and varnish waste containing organic solvents or other dangerous substances.

Disposal considerations:

Dispose of dried-out paints, etc. according to locally regulated laws.

Appropriate disposal / packaging:

Contaminated packing must be completely emptied and can be recycled after proper cleaning.

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14. Transport informationLand transport (ADR/RID) and GGVS/GGVE:

Non-dangerous goods within the meaning of the transport regulations.

ADR / RID-GGVS/ E Class:**Cipher/letter:****Kemmler number:****Description of the goods:****UN Number:**Marine transport (IMDG) / GGVSee:

Non-dangerous goods within the meaning of the transport regulations.

IMDG / GGVSee- Class:**Page:****UN Number:****Packaging group:****EMS No.:****MP:****Proper technical name:**Air transport (ICAO-TI / IATA-DGR:

Not classified for this transport carrier.

ICAO/ IATA- Class:**UN/ ID Number:****Groupe d'emballage:****Proper technical name:****15. Regulatory information*****Classification and labeling according to EC regulations / Hazardous Goods Act*****Hazard symbols and hazard statements of the product:**

Contains: Limonene.

Hazardous components for labeling:

Isoaliphates; orange oil

R-phrases:**S-phrases:**

S 2

Keep out of the reach of children.

S 62

If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.

National regulations**Water endangment class:**

WGK 1 (German Water Hazards Classes, self-classification): weakly water-endangering.

VOC content:

89%

16. Other Information**Exact wording of the R-phrases mentioned under point 2 and 3:****R 53**

May cause long-term adverse effects in the aquatic environment.

R 65

Harmful: may cause lung damage if swallowed.

R 66

Repeated exposure may cause skin dryness or cracking.

Data sources:<http://www.baua.de>**Data Sheet issued by:****Product Safety Department**

The information described in this datasheet refers exclusively to the characteristics and safety requirements of this particular product. They cannot apply however any longer, if the product is mixed with other materials or is used during a different process. The statements correspond to our knowledge and experiences at the indicated time. However, no guarantee for soundness, reliability and completeness is given. The user must make sure of all the facts that all specifications for his respective use are suitable and complete.