

Product-No.: 220000

Print date : 18.05.09 Revision date: 06.03.09

page: 1/6

1.IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

Product Name/Code

220000

euku-öl 1 HS

Wood Floor Oil, high solid

Recommended intended purpose: Industrial coating

Name of the company:

Eukula GmbH
Am Bahnhof 6
D-78199 Bräunlingen

Phone +49(0)7707/151-206 or 248
Fax +49(0)7707/151-245
E-Mail Vertrieb@eukula.de

Information-giving Area:

Productsecurity

Emergency phone: +49(0)7707/151-0

(Office hours Mon-Thurs 7.30-16.30 + Fr 7.30-12.30)

2.HAZARDS IDENTIFICATION

Danger designation: not applicable

Special dangers for humans and environment:

10 Flammable.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristic: Preperation based on alkyd resin

Dangerous substances:

EINECS-No.	Name	Symbol	Conc. %
CAS-No.	R phrases		
203-539-1	1-methoxy-2-propanol, monopropylene glycol methyl ether		
107-98-2	10	*	0.5 < 2.5
265-150-3	Naphtha (petroleum), hydrotreated heavy; Low boiling point		
64742-48-9	hydrogen treated naphtha		
	65-66	Xn	5 < 12.5
270-066-5	fatty acid, C6-19 branched, cobalt (2+)salts		
68409-81-4	22-38-43-51/53	Xn,N	< 0.5

(See full text of R phrases under chapter 16)

4.FIRST AID MEASURES

General :

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation :

Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Product-No.: 220000

Print date : 18.05.09 Revision date: 06.03.09

page: 2/6

Eye contact :

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Skin contact :

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do not use solvents or thinners.

Ingestion :

If accidentally swallowed obtain immediate medical attention. Keep at rest.
Do not induce vomiting.

5.FIRE-FIGHTING MEASURES

Extinguishing media :

recommended : alcohol resistant foam, CO₂, powders, waterspray

Not to be used : waterjet

Recommendations :

Fire will produce dense black smoke.
Exposure to decomposition products may cause health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water.
Do not allow run-off from fire fighting to enter drains or watercourses.

6.ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area.
Avoid breathing vapours.
Refer to protective measures listed in sections 7 and 8.
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.
Clean preferably with a detergent; avoid use of solvents.
If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

7.HANDLING AND STORAGE

Handling

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.
Operators should wear antistatic footwear and clothing and floors should be of the conducting type.
Keep container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used.
Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in application area.

Product-No.: 220000

Print date : 18.05.09 Revision date: 06.03.09

page: 3/6

For personal protection see Section 8.
Never use pressure to empty : container is not a pressure vessel.
Always keep in containers of same material as the original one.
Comply with the health and safety at work laws.

Storage

Although the storage and use of this product is not subject to specific statutory requirements, observation of the principles of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations as appropriate will be seen as good industrial practice in meeting the general duties of the Health and Safety at Work Act. Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8.EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Exposure Limits

Occupational exposure limit for :

EINECS-No.	Names	STEL	LTEL
203-539-1	1-methoxy-2-propanol, monopropylene glycol methyl ether	150.00	100.00 ppm

Personal Protection

European Union guidelines and BG rules of the professional associations considers.

Respiratory protection:

If the concentration is because of organic solvents, gases and steams over the job limit values, then a respirator certified for this purpose must be carried (type of gas filter A, identification colour code brown), e.g. half mask FFA2 to be carried.

Hand protection:

Wear suitable safety gloves with the work. Suitably a chemical protection glove examined after DIN/EN 374 is e.g. glove material: Fluorocarbon rubber, material thickness > = 0,4mm, break-through time: > = 480 min. contaminated and worn out gloves have to be replaced. The user has to check and consider the applicability of the selected safety gloves in accordance with the instructions and the information of the glove manufacturers for the individual use conditions. Missing skin fat is to replace by containing fat ointment.

Eye protection:

Use safety eyewear designed to protect against splash of liquids.

Skin protection:

Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Product-No.: 220000

Print date : 18.05.09 Revision date: 06.03.09

page: 4/6

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : liquid

Colour : see under point 1 "Product Name a. Code"

Odour : typical

Important health, safety and environmental information

Parameter	Value	Method/Remark
Flash point	> 23	°C
Viscosity	> 60 s 4 mm	by 20°C/ 4mm cup = DIN 53211
Density	0.96	g/cm ³ by 20°C calculated
Explosion limit	lower 1.7	Vol.%
	upper 11.5	Vol.%
Water solubility	not soluble	
Boiling point	119	°C
Vapour pressure	0.49	mbar by 20°C
Ignition temperature	215	°C
Solvent content	approx. 9	by weight VOC/organic

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions. (See section 7).
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. TOXIKOLOGICAL INFORMATION

There are no data available on the preparation itself.
Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.
Symptoms and signs include headache; dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
The liquid splashed in the eyes may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself.
The product should not be allowed to enter drains or watercourses.

13. DISPOSAL CONSIDERATION

Do not allow into drains or watercourses.
Empty containers are to be deposited according to the official rules.
Dispose of in accordance with applicable local, state and federal.

Product-No.: 220000

Print date : 18.05.09 Revision date: 06.03.09

page: 5/6

14. TRANSPORT INFORMATION

Transport only in accordance with ADR for road, RID for rail,
IMDG for sea and ICAO/IATA for air transport.

ADR/RID:

ADR/RID-Class: No goods of class 3
by packing-unit > 450 L: class 3
(see "GefahrgutVStr" E,Rnr.2301)
Tremcard: 3
UN-Number: 1866
Transport document name: Resin solution
item:
Packaging group: III

IMDG:

IMDG-Class: not applicable
Tremcard: not applicable
EmS: not applicable
UN-Number: not applicable
Proper shipping name: Transport in accordance with 2.3.2.5 of the
IMDG Code.
Packaging group: not applicable

by packing unit > 30 L: 3
Tremcard: 3
EmS: F-E, S-E
UN-Number: 1866
Proper shipping name: RESIN SOLUTION
Packaging group: III

Marine pollutant: not applicable

ICAO/IATA:

ICAO/IATA-Class: 3
UN-Number: 1866
Proper shipping name : Resin solution
Packaging group : III

15. REGULATORY INFORMATION

The requirements of the Classification Packaging and Labelling of
Dangerous Substances Regulations.

The product is labelled as follows :

Danger classification :

Contains:

not applicable

R phrases:

10 Flammable.

S phrases:

38 In case of insufficient ventilation, wear suitable
respiratory equipment.
51 Use only in well-ventilated areas.
23 Do not breathe vapour.

Product-No.: 220000

Print date : 18.05.09 Revision date: 06.03.09

page: 6/6

other phrases:

- 99 Contains 2-butanone oxime, fatty acid, C6-19 branched, cobalt (2+)salts. May produce an allergic reaction.
- TRGS 617 Substitutes and substitution methods for surface treatment with strongly solvent means for parquet and other timber floorings

Information about VOC-Directive (ASTM D-3960-1):

VOC = 89.075g/l

16.OTHER INFORMATION

Full text of R phrases appearing in section 3 :

- 10 Flammable.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 22 Harmful if swallowed.
- 38 Irritating to skin.
- 43 May cause sensitisation by skin contact.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information of this MSDS is based on the present state of our knowledge and national laws, as the users working conditions are beyond our knowledge and control.

The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products' properties. The statements given in the safety data sheets of our product groups are average values as they depend on the colour shade.

The information in this Safety Data Sheet is required pursuant to Dangerous Substances Regulations 26.10.1993.
