

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2020

Version number 3.3

Revision: 20.03.2019

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

1.1 Product identifier

Trade name: **BOEN Live Natural Oil**

1.2 Relevant identified uses

of the substance or mixture

and uses advised against

No further relevant information available.

Application of the substance

/ the mixture

Paint

Coating compound/ Surface coating/ paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Osmo Holz und Color GmbH & Co. KG

Affhüppen Esch 12

D-48231 Warendorf

Further information

obtainable from:

Product safety department

Tel.: +49 (0) 251 / 692 - 188

Fax: +49 (0) 251 / 692 - 462

e-mail: helmut.starp@osmo.de

1.4 Emergency telephone

number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to

Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.

2.2 Label elements

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

Additional information:

EUH210 Safety data sheet available on request.

2.3 Other hazards

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

Observe the general safety regulations when handling chemicals.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

EC number: 918-481-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304	25-50%
Reg.nr.: 01-2119457273-39			

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information:** Take affected persons out into the fresh air. Immediately remove any clothing soiled by the product.
- After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:** Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness
Headache

4.3 Indication of any

immediate medical attention

and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

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5.3 Advice for firefighters**Protective equipment:**

Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

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

Ensure adequate ventilation
Keep away from ignition sources.

**6.2 Environmental
precautions:**

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for
containment and cleaning up:**

Warm water and cleansing agent
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

**6.4 Reference to other
sections**

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

**7.1 Precautions for safe
handling**

Use only in well ventilated areas.
Keep receptacles tightly sealed.
No special measures required.

**Information about fire - and
explosion protection:**

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities
Storage:**
Requirements to be met by
storerooms and receptacles: Store only in the original receptacle.

**Information about storage in
one common storage facility:**

Not required.

Further information about
storage conditions:

None.

Storage class:

VCI storage class (VCI = German Association of the Chemical Industry): 10

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7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

aliphatic hydrocarbons, C10-C13

TWA (8 H) Long-term value	1.000 mg/m ³ , 150 ppm ppm
Source	UK SIA

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and

hygienic measures:

Do not eat, drink, smoke or sniff while working.
Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.
Not necessary if room is well-ventilated.

Protection of hands:

To avoid skin problems reduce the wearing of gloves to the required minimum.
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
For the mixture the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR

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Eye protection: Goggles recommended during refilling
Body protection: Not required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Viscous
Colour: Yellowish
Odour: Mild

Change in condition

Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: > 180 °C

Flash point: > 60 °C (DIN EN ISO 2719)

Ignition temperature: 240 °C

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: 0.7 Vol % (Solvent)
Upper: 6.0 Vol % (Solvent)

Density at 20 °C: 0.92-0.95 g/cm³ (DIN 51757)

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Viscosity:

Dynamic at 20 °C: 95-180 mPas
Kinematic at 20 °C: 25-35 s (DIN EN ISO 2431/4mm)
 >21 mm²/s (40°C) (calculated)

Solvent content:

VOC (EC) < 500 g/l (VOC-max. Cat A/i (2010) = 500 g/l)

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

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10.2 Chemical stability**Thermal decomposition /****conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

10.4 Conditions to avoid No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous****decomposition products:** Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)**Additional information:**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

SECTION 11: Toxicological information

11.1 Information on toxicological effects**Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****aliphatic hydrocarbons, C10-C13**

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

Primary irritant effect:**Skin corrosion/irritation** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin****sensitisation** Based on available data, the classification criteria are not met.**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

aliphatic hydrocarbons, C10-C13

EC50 / 48h	>1,000 mg/l (daphnia)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
15 01 04	metallic packaging

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Solvent naphtha

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Not applicable

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14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Not applicable
14.4 Packing group ADR, IMDG, IATA	Not applicable
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information

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

National regulations:

GISBAU-Code

GISCODE: GH10

VOC (EC)

< 500 g/l (VOC-max. = 500 g/l (2010 A/i))

15.2 Chemical safety

assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H304 May be fatal if swallowed and enters airways.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1

**** Data compared to the
previous version altered.***