

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 24.03.2015

Version number 6

Revision: 24.03.2015

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

- **Product identifier**
- **Trade name:** 862 Eurofinish Hard oil HS
- **Article number:** 75745
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Wood coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
FORBO Eurocol Deutschland GmbH
August-Roebing-Str. 2
D-99091 Erfurt
Tel.: +49 (0)361 73041-0
Fax: +49 (0)361 73041-92
Website: <http://www.forbo-bonding.de>
- **Further information obtainable from:**
Laboratory
Ronny Dorna
Ronny.Dorna@forbo.com
- **Emergency telephone number:** GGIZ +49-361-730730 (for Germany)

2 Hazards identification

- **Classification of the substance or mixture**
Acute Tox. 5 H333 May be harmful if inhaled.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
H333 May be harmful if inhaled.
- **Precautionary statements**
P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
- **Additional information:**
Restricted to professional users.
Safety data sheet available on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

UN

(Contd. on page 2)

Safety data sheet
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Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 1)

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 9019-20-0	Isopar L ☒ Xn R65 R66 ◆ Asp. Tox. 1, H304	1-<5%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0	2-butanone oxime ☒ Xn R21-40-48; ☒ Xi R41; ☒ Xi R43 Carc. Cat. 2 ◆ Carc. 2, H351; ◆ Eye Dam. 1, H318; ◆ Acute Tox. 4, H312; Skin Sens. 1, H317; H227	<0,3%
CAS: 68551-44-0	Fettsäuren, C6-19 verzweigt, Zinksalze ☒ N R51/53 ◆ Aquatic Chronic 2, H411; H401	<0,5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **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:**
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Carbon dioxide
Foam
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide

(Contd. on page 3)

UN

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Version number 6

Revision: 24.03.2015

Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 2)

- Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**
Do not allow to enter drains/ surface or ground water.
Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Use only in well ventilated areas.
- **Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Store in cool, dry conditions in well sealed receptacles.
- **Recommended storage temperature:** +10 °C - +25 °C
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

(Contd. on page 4)

UN

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 24.03.2015

Version number 6

Revision: 24.03.2015

Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 3)

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** *The lists valid during the making were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
*The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.*
- **Respiratory protection:**
*Use suitable respiratory protective device when high concentrations are present.
Filter A/P2*
- **Protection of hands:**



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves**
*Neoprene gloves
Natural rubber, NR
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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Safety glasses

- **Body protection:** *Protective work clothing*

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	Light brown

(Contd. on page 5)

UN

Safety data sheet
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Version number 6

Revision: 24.03.2015

Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 4)

· Odour:	Characteristic
· pH-value:	Not applicable.
· Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. Undetermined.
· Flash point:	> 65 °C (DIN 51755)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	240 °C
· Decomposition temperature:	Undetermined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Vapour pressure:	<1,1 hPa
· Density at 20 °C: · Evaporation rate	0,923 g/cm ³ Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Undetermined.
· Viscosity: Kinematic at 20 °C:	28 s (DIN 53211/4)
· Solvent content: Organic solvents: VOC (CE)	0,5 % 0,50 %
Solids content: · Other information	94,5 % No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
 Reacts with oxidising agents.
 Reacts with fabric soaked in the product (e.g. cleaning wool).
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** strong oxidizing agents
- **Hazardous decomposition products:** Flammable gases/vapours
- **Additional information:**
 Caution:
 Immediately rinse used cloth, roller, brush or store in an airtight container (danger of spontaneous ignition).

UN
(Contd. on page 6)

Safety data sheet
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Version number 6

Revision: 24.03.2015

Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 5)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
		184 - 1840 mg/kg (rabbit)
Inhalative	LC50/4h	20 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Prolonged contact may cause skin irritation.
- **on the eye:** not tested
- **Sensitisation:** No sensitising effects known.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

(Contd. on page 7)

UN

Safety data sheet
according to 1907/2006/EC, Article 31

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Version number 6

Revision: 24.03.2015

Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 6)

- **Uncleaned packaging:**
- **Recommendation:** Packaging may be reused or recycled after cleaning.

14 Transport information

- | | |
|--|--|
| · UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · Packing group
· ADR, IMDG, IATA | Void |
| · Environmental hazards:
· Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- **VOC (CE) 4,6 g/l**
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Department issuing MSDS:** Laboratory
- **Contact:**
Dr. Amina Chnirheb
Amina.Chnirheb@forbo.com
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
: Flammable liquids, Hazard Category 4
Acute Tox. 4: Acute toxicity, Hazard Category 4
Acute Tox. 5: Acute toxicity, Hazard Category 5
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

(Contd. on page 8)

UN

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 24.03.2015

Version number 6

Revision: 24.03.2015

Trade name: 862 Eurofinish Hard oil HS

(Contd. of page 7)

*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1**Carc. 2: Carcinogenicity, Hazard Category 2**Asp. Tox. 1: Aspiration hazard, Hazard Category 1**: Hazardous to the aquatic environment - AcuteHazard, Category 2**Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2**** Data compared to the previous version altered.**

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