

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

Printing date 02.11.2012

Version number 1

Revision: 02.11.2012

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

- **1.1 Product identifier**
- Trade name **Solignum terrasse olie**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Wood treatment
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 BRIFA MALING A/S
 Theilgaards Torv 1
 DK - 4600 Køge
 Tel.: +45 55 36 09 72
 Fax : +45 55 36 09 79
- **Informing department:** service@jwo.com
- **1.4 Emergency telephone number:** Tel.: +49(0)6132 84463

2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 R52/53-66: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.
- **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.
 At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
- **Classification system:**
 The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- **2.2 Label elements**
- **Labelling according to EU guidelines:**
 Observe the normal safety regulations when handling chemicals
 The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Risk phrases:**
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 66 Repeated exposure may cause skin dryness or cracking.
- **Safety phrases:**
 2 Keep out of the reach of children.
 23 Do not breathe vapour/spray.
 24 Avoid contact with skin.
 46 If swallowed, seek medical advice immediately and show this container or label.
 51 Use only in well-ventilated areas.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:**
 Mixture of the substances listed below with harmless additions.

• **Dangerous components:**

CAS: 64742-82-1 EINECS: 265-185-4 Reg.nr.: 01-2119473977-17	Naphtha (petroleum), hydrodesulfurized heavy ☒ Xn R65 R52/53-66 ☒ Asp. Tox. 1, H304; Aquatic Chronic 3, H412	50-100%
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- **Additional information**
 For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water.
- **After swallowing** In case of symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 8 for information on personal protection equipment.

7 Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Hard to inflame, avoid open fire. Danger of spontaneous ignition in case of very high distribution and contact to air.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
No special requirements.
- **Information about storage in one common storage facility:** TRGS 510
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:**
No further data; see item 7.
- **8.1 Control parameters**

• Components with critical values that require monitoring at the workplace:
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64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

TLV (European Union)	Long-term value: 350 mg/m ³ , 70 ppm
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- **Additional information:**
The lists that were valid during the compilation were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
- **Penetration time of glove material**
Value for the permeation: Level ≥ 480 Minuten
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **Eye protection:** Safety glasses recommended during refilling.

9 Physical and chemical properties

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

Form:	Fluid
Colour:	Amber coloured
Smell:	Mild
Odour threshold:	Not determined.
- **pH-value:** nicht anwendbar
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	182-212°C
- **Flash point:** 66°C
- **Inflammability (solid, gaseous)** Not applicable.
- **Ignition temperature:** 260°C
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Danger of spontaneous ignition in case of very high distribution and contact to air. Used cleaning rags bent to spontaneous ignition.
- **Danger of explosion:** Product is not explosive.
- **Critical values for explosion:**

Lower:	0.6 Vol %
Upper:	6.1 Vol %
- **Steam pressure at 20°C:** 1 hPa
- **Density at 20°C** 0.85 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**

dynamic:	Not determined.
kinematic at 23°C:	> 30 s (ISO 3 mm 2431)
- **9.2 Other information** No further relevant information available.

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10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Used cleaning rags bent because of autooxidation to spontaneous ignition. Used cleaning rags dry only on non-combustible foundation.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

11 Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:**
- | | | |
|--|----------|-----------------------|
| 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy
(Nota P, benzene < 0,1 %) | | |
| Oral | LD50 | > 2000 mg/kg (rat) |
| Dermal | LD50 | > 2000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | > 5 mg/l (rat) |
- **Primary irritant effect:**
 - **on the eye:** High concentration may cause eye irritation.
 - **Sensitization:** No sensitizing effect known.

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
 - **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - **European waste catalogue**
- | | |
|-----------|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other dangerous substances |
|-----------|---|
- **Uncleaned packagings:**
 - **Recommendation:**
Disposal must be made according to official regulations.

14 Transport information

- **14.1 UN-Number**
- **ADR** Void

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|---|-----------------|
| · 14.2 UN proper shipping name | |
| · ADR | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR | Void |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	60.0
- **Water hazard class:**
Water hazard class 2 (Self-assessment): hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
BGR 190 (Regeln für den Einsatz von Atemschutzgeräten)
BGR 192 (Regeln für den Einsatz von Augen- und Gesichtsschutz)
BGR 195 (Regeln für den Einsatz von Schutzhandschuhen)
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they 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.
H412 Harmful to aquatic life with long lasting effects.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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