



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

Printing date 14.12.2023

Version number 15.0 (replaces version 14.0)

Revision: 14.12.2023

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

- **1.1 Product identifier**
- **Trade name: KEIM LIGNOSIL-HRP-FLÜSSIG**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Liquid component for mixing the woodcrackpaste
- **Uses advised against** All other uses are not recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KEIMFARBEN GMBH  
Keimstraße 16 / 86420 Diedorf  
Tel. +49 (0)821 4802-0  
Fax +49 (0)821 4802-210  
www.keim.com / info@keimfarben.de
- **Further information obtainable from:**  
Product safety department  
Telefon: 49(0)821/4802-138  
E-Mail: sdb.info@keimfarben.de
- **1.4 Emergency telephone number:**  
GBK GmbH Global Regulatory Compliance  
Emergency number: +49(0)6132/84463

### 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**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**  
Contains drying oils. Risk of self-ignition. After spills and used cloths, etc. have to be recovered and stored in fireproof waste disposal containers before destroying.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Solvent mixture with additives

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**· Dangerous components:**

|                            |   |        |
|----------------------------|---|--------|
| CAS: 64742-48-9            | Naphtha (petroleum), hydrotreated heavy | 10-15% |
| EINECS: 265-150-3          | ⚠ Asp. Tox. 1, H304, EUH066             |        |
| Index number: 649-327-00-6 |   |        |
| 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:**

Immediately remove any clothing soiled by the product.  
In case of unconsciousness do not administer anything by mouth.  
With appearance of symptoms or in cases of doubt seek medical advice .  
When seeing the doctor we suggest to present this safety data sheet.

**· After inhalation:**

Keep affected person warm and quiet.  
Supply fresh air; consult doctor in case of complaints.

**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
Do not use solvents or thinners.  
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.  
Do not induce vomiting.

**· 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.

### SECTION 5: Firefighting measures

**· 5.1 Extinguishing media****· Suitable extinguishing agents:**

Water haze, extinguishing powder, alcohol resistant foam, CO<sub>2</sub>, sand.

**· For safety reasons unsuitable extinguishing agents:** Water with full jet**· 5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:  
carbon oxide (CO<sub>x</sub>)

Flammable gases/vapours

**· 5.3 Advice for firefighters**

**· Special protective equipment:** Wear self-contained respiratory protective device.

**· Additional information**

Cool endangered receptacles with water spray.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
In case of fire do not breathe smoke, fumes and vapours.

### SECTION 6: Accidental release measures

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

- Ensure adequate ventilation
- Keep away from ignition sources.
- Do not inhale fumes.
- Respect the protection rules (see section 7 and 8).
- Wear protective equipment. Keep unprotected people away.

#### · **6.2 Environmental precautions:**

- Do not allow product to reach soil, sewage system or any water course.
- Follow local governmental rules and regulations.
- Inform respective authorities in case of seepage into water course or sewage system.

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

- Absorb with non-combustible liquid-binding material (sand, earth, diatomite, vermiculite).
- Send for recovery or disposal in suitable receptacles.
- Dispose of the material collected according to regulations.
- Clear contaminated areas thoroughly.
- Ensure adequate ventilation.

#### · **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**

- Keep receptacles tightly sealed.
- Avoid contact with skin and eyes.
- Ensure good ventilation/exhaustion at the workplace.
- See item 8 (8.2) for information about suitable protective equipment and technical precautions.
- Respect the protection rules.

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

- Fumes can combine with air to form an explosive mixture.
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Use explosion-proof apparatus / fittings and spark-proof tools.

#### · **7.2 Conditions for safe storage, including any incompatibilities**

##### · **Storage:**

##### · **Requirements to be met by storerooms and receptacles:**

- Store only in unopened original receptacles.

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

- Store away from oxidising agents.
- Do not store together with acids.

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- Do not store together with alkalis (caustic solutions).
- Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from frost.  
Please note information on label
- Storage class:** 10
- GISCode** BSL50 Beschichtungsstoffe, stark lösemittelbasiert, aromatenhaltig, gekennzeichnet
- 7.3 Specific end use(s)** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

##### Ingredients with limit values that require monitoring at the workplace:

##### 64742-48-9 Naphtha (petroleum), hydrotreated heavy

|               |  |
|---------------|--|
| MAK (Germany) | Long-term value: 300 mg/m <sup>3</sup> , 50 ppm<br>vgl. Abschn. Xc |
|---------------|--|

##### DNELs

##### 64742-48-9 Naphtha (petroleum), hydrotreated heavy

|                              |                                     |                                     |
|------------------------------|-------------------------------------|-------------------------------------|
| Oral                         | Long-term - systemic effects        | 300 mg/kg bw/day (consumer)         |
| Dermal                       | Long-term - systemic effects        | 300 mg/kg bw/day (consumer)         |
|                              |                                     | 300 mg/kg bw/day (worker)           |
| Inhalative                   | Acute - systemic effects            | 1,152 mg/m <sup>3</sup> (consumer)  |
|                              |                                     | 1,286.4 mg/m <sup>3</sup> (worker)  |
|                              | Acute - local effects               | 640 mg/m <sup>3</sup> (consumer)    |
|                              |                                     | 1,066.67 mg/m <sup>3</sup> (worker) |
| Long-term - systemic effects | 0.41 mg/m <sup>3</sup> (consumer)   |                                     |
|                              | 1.9 mg/m <sup>3</sup> (worker)      |                                     |
| Long-term - local effects    | 178.57 mg/m <sup>3</sup> (consumer) |                                     |
|                              | 837.5 mg/m <sup>3</sup> (worker)    |                                     |

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

##### 8.2 Exposure controls

##### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures:

- Avoid contact with the eyes and skin.
- Do not inhale gases / fumes / aerosols.
- Wash hands before breaks and at the end of work.
- Immediately remove all soiled and contaminated clothing.

##### Respiratory protection:

- Use suitable respiratory protective device in case of insufficient ventilation.
- Combination filter A/P

##### Hand protection

- Protective gloves

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After use of gloves apply skin-cleaning agents and skin cosmetics.

**Material of gloves**

suitable material e.g.:

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.5$  mm

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**

Value for the permeation: level  $\geq 6$  (480 min)

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

**Eye/face protection** Tightly sealed goggles

**Body protection:** Solvent resistant protective clothing

**Environmental exposure controls** See Section 12 and 6.2

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information**

|   |                                   |
|---|-----------------------------------|
| <b>Physical state</b>   | Fluid                             |
| <b>Colour:</b>  | Beige                             |
| <b>Odour:</b>   | slightly                          |
| <b>Odour threshold:</b>   | Not determined                    |
| <b>Melting point/freezing point:</b>                            | Not determined                    |
| <b>Boiling point or initial boiling point and boiling range</b> | Not determined                    |
| <b>Flammability</b>   | Not applicable                    |
| <b>Lower and upper explosion limit</b>                          |                                   |
| <b>Lower:</b>   | Not applicable                    |
| <b>Upper:</b>   | Not determined                    |
| <b>Flash point:</b>   | 61-93.3 °C (DIN 53213)            |
| <b>Auto-ignition temperature:</b>                               | Not determined                    |
| <b>Decomposition temperature:</b>                               | Not determined                    |
| <b>pH</b>   | Not determined                    |
| <b>Viscosity:</b>   |                                   |
| <b>Kinematic viscosity at 40 °C</b>                             | >21 mm <sup>2</sup> /s            |
| <b>Dynamic:</b>   | Not determined.                   |
| <b>Solubility</b>   |                                   |
| <b>water:</b>   | Not miscible or difficult to mix. |
| <b>Partition coefficient n-octanol/water (log value)</b>        | Not applicable                    |

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|  |  |
|--|--|
| · <b>Vapour pressure:</b>  | Not determined.  |
| · <b>Density and/or relative density</b>   |  |
| · <b>Density at 20 °C:</b>   | 0.9-1.1* g/cm <sup>3</sup>   |
| · <b>Relative density</b>  | Not determined   |
| · <b>Vapour density</b>  | Not applicable.  |
| · <b>9.2 Other information</b>   | * The values are for freshly produced material and may change with the time.                   |
| · <b>Appearance:</b>   |  |
| · <b>Form:</b>   | Fluid  |
| · <b>Important information on protection of health and environment, and on safety.</b> |  |
| · <b>Explosive properties:</b>   | Product is not explosive. However, the formation of explosive air/vapour mixtures is possible. |
| · <b>Change in condition</b>   |  |
| · <b>Evaporation rate</b>  | Not applicable   |
| · <b>Information with regard to physical hazard classes</b>                            |  |
| · <b>Explosives</b>  | Void   |
| · <b>Flammable gases</b>   | Void   |
| · <b>Aerosols</b>  | Void   |
| · <b>Oxidising gases</b>   | Void   |
| · <b>Gases under pressure</b>  | Void   |
| · <b>Flammable liquids</b>   | Void   |
| · <b>Flammable solids</b>  | Void   |
| · <b>Self-reactive substances and mixtures</b>   | Void   |
| · <b>Pyrophoric liquids</b>  | Void   |
| · <b>Pyrophoric solids</b>   | Void   |
| · <b>Self-heating substances and mixtures</b>  | Void   |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b>     | Void   |
| · <b>Oxidising liquids</b>   | Void   |
| · <b>Oxidising solids</b>  | Void   |
| · <b>Organic peroxides</b>   | Void   |
| · <b>Corrosive to metals</b>   | Void   |
| · <b>Desensitised explosives</b>   | Void   |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal conditions of storage and use.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** Develops readily flammable gases/fumes.

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- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
  - oxidizing agents
  - Acids
  - Bases
- **10.6 Hazardous decomposition products:**
  - In case of fire, the following can be released:
    - Carbon oxides (COx)
    - Flammable gases/vapours
  - No hazardous decomposition products if stored and handled as prescribed.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

|            |          |   |
|------------|----------|---|
| Oral       | LD50     | >5,000 mg/kg (rat)                            |
| Dermal     | LD50     | >2,000 mg/kg (rat)                            |
| Inhalative | LC50/4 h | >5,000 mg/l (rat)<br>Route of exposure: Vapor |

- **Skin corrosion/irritation**
  - Has de-greasing effect on skin.
  - Repeated exposure may cause skin dryness or cracking.
  - Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **during inhalation:** Irritant effect possible.
- **during swallowing:**
  - May cause lung damage if swallowed.
  - Irritant effect possible
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **Other information (about experimental toxicology):**
  - Experimental analysis are not available.
  - The product was not tested. The statements on toxicology have been derived from the properties of the individual components.
- **Subacute to chronic toxicity:**
- **Repeated dose toxicity**
  - This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Not applicable

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**· 11.2 Information on other hazards****· Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 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.**· Bioconcentration factor (BCF)**

64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 10-2500

**· 12.4 Mobility in soil** No further relevant information available.**· 12.5 Results of PBT and vPvB assessment****· PBT:** Not applicable**· vPvB:** Not applicable**· 12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**· 12.7 Other adverse effects****· Additional ecological information:****· AOX-indication:**

The product can take influence in small measure on the AOX-load of the waste water.

**· According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**

According to our current data base the product does not consist of any heavy metals or substances of EU guideline NO. 2006/11/EC.

**· General notes:**

Do not allow product to reach ground water, water course or sewage system.

At present there are no ecotoxicological assessments.

The statements on ecotoxicology have been derived from the properties of the individual components.

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

**SECTION 13: Disposal considerations****· 13.1 Waste treatment methods****· Recommendation**

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

Disposal must be made according to official regulations.

**· European waste catalogue**

08 04 09\* | waste adhesives and sealants containing organic solvents or other hazardous substances

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary with cleansing agents.

### SECTION 14: Transport information

|  |  |
|--|--|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, IMDG, IATA</b>                       | Void   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, IMDG, IATA</b>                      | Void   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                | Void   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                     | No   |
| · <b>14.6 Special precautions for user</b>   | Not applicable   |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                  | Not applicable   |
| · <b>Transport/Additional information:</b>   | No dangerous good in sense of these transport regulations. |
| · <b>UN "Model Regulation":</b>  | Void   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
For information on labelling please refer to section 2 of this document.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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**· REGULATION (EU) 2019/1148****· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Not relevant.

**· ANNEX I EXPORT SUBSTANCES DECLARABLE FOR EXPLOSIVES in quantities > 1%.**

None of the ingredients is listed.

**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**· Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**· National regulations:****· Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.**· Other regulations, limitations and prohibitive regulations****· Please note:**

TRGS 200 (Germany)

TRGS 500 (Germany)

TRGS 510 (Germany)

TRGS 900 (Germany)

**· Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable**· Product-Code/Giscode:** BSL50**· 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.

EUH066 Repeated exposure may cause skin dryness or cracking.

**· Department issuing SDS:** KEIMFARBEN Germany, Product safety department**· Version number of previous version:** 14.0**· Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

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LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
AGW: Arbeitsplatzgrenzwert (Germany)  
REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)  
Asp. Tox. 1: Aspiration hazard – Category 1

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

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