

Safety Data Sheet

according to Regulation (EC) No 1907/2006

BEECK Lacquer Thinner

Print date: 19.03.2018

Product code: FWB_B04

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

BEECK Lacquer Thinner

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Solvent for thinning BEECK stand oil paints.

1.3. Details of the supplier of the safety data sheet

Company name:	BEECK'SCHE FARBWERKE GmbH	
Street:	Gottlieb-Daimler-Strasse 4	
Place:	D-89150 Laichingen	
Telephone:	+49 (0) 7333 / 9607-11	Telefax: +49 (0) 7333 / 9607-10
e-mail:	info@beeck.com	
Contact person:	Ralf Rieks	Telephone: +49 (0) 7333 / 9607-14
e-mail:	Ralf.Rieks@beeck.com	
Internet:	www.beeck.com	
Responsible Department:	Factory Laichingen, Gottlieb-Daimler-Str. 4, D-89150 Laichingen Tel. +49(0)7333/9607-11 Fax: +49(0)7333/9607-10 Mo-Fr: 8.00 -16.00 hour	

1.4. Emergency telephone number:

United Kingdom +44 870 600 626 / 0870 600 6266
 GBK Gefahrgut Büro GmbH
 +49(0)6132/84463

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xn - Harmful
 R phrases:
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Harmful: may cause lung damage if swallowed.
 Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
 Aspiration hazard: Asp. Tox. 1
 Hazardous to the aquatic environment: Aquatic Chronic 3
 Hazard Statements:
 May be fatal if swallowed and enters airways.
 Harmful to aquatic life with long lasting effects.

2.2. Label elements**Hazardous components which must be listed on the label**

Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics
 Orange oil

Signal word:	Danger
Pictograms:	GHS08

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Hazard statements

- H304 May be fatal if swallowed and enters airways.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P102 Keep out of reach of children.
 P262 Do not get in eyes, on skin, or on clothing.
 P273 Avoid release to the environment.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P501 Disposal in accordance with the official regulations.

Special labelling of certain mixtures

- EUH208 Contains Orange oil . May produce an allergic reaction.

Additional advice on labelling

The product is classified and labelled in accordance with the EC directives or respective national laws.

2.3. Other hazards

May cause sensitisation of susceptible persons.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics; Orange terpenes

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
271-369-5	Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics	95 - < 100 %
68551-19-9	Xn - Harmful R65-66	
	Asp. Tox. 1; H304 EUH066	
01-2119480162-45		
232-433-8	Orange oil	< 1 %
8028-48-6	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-38-43-50-53-65	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H226 H315 H317 H304 H400 H410	
01-2119493353-35		

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down. Move to fresh air. Consult a physician for severe cases.

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After inhalation

Fresh air supply. In case of irregular breathing or respiratory arrest: Oxygen or artificial respiration, if needed. Consult a physician.

After contact with skin

Remove and wash contaminated clothing before re-use. Wash contaminated skin areas thoroughly with soap and water. If skin irritation persists, call a physician.

After contact with eyes

Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable. Call a physician immediately.

After ingestion

Do not induce vomiting. In the event of spontaneous nausea and unconsciousness, keep the head back and bring the patient into the recovery position. Keep the respiratory tract open, prevent aspiration. Lay the affected person down, and keep her or him warm and calm. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Skin irritation, Eye irritation
cough, headache, dizziness, drowsiness

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (decontamination and vital functions).
Aspiration of the liquid while swallowing incorrectly or vomiting can lead to serious pneumonia caused by chemicals.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

carbon dioxide (CO₂), foam, sprayed water stream or dry powder.

Unsuitable extinguishing media

High volume water jet.

5.2. Special hazards arising from the substance or mixture

Vapour/air-mixtures are explosive at intense warming. Vapours are heavier than air and may spread along floors. If combustion is incomplete, carbon monoxide may be released. Do not breathe in the vapours and combustion gases.

5.3. Advice for firefighters

Wear self-contained breathing apparatus for fire fighting, if necessary.

Additional information

The combustion gases are partially condensed with the water used to extinguish the fire and end up as a contaminant in this water. Do not let product enter drains.

Water mist may be used to cool closed containers.

Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Do not smoke. Remove all sources of ignition. Provide adequate ventilation.

Use respiratory equipment when gases, vapours/aerosols form. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system.

Entry into rivers or surface water is to be prevented by the erection of barriers made of sand or earth or by other suitable barriers.

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6.3. Methods and material for containment and cleaning up

Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers. The containers must be sealed, marked and disposed of safely.

6.4. Reference to other sections

See section 7, 8, 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not breathe in vapours. Provide sufficient air exchange and/or exhaust in work rooms. Containers keep tightly closed. Keep in a dry, cool place.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces, and sources of ignition. Do not smoke. Take precautionary measures against static discharges. In use, may form high flammable/explosive vapour air mixture. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance.

Cleaning cloths, paper or other materials that are used for absorption can become a potential fire hazard. Collect and safely dispose in closed, non-flammable containers after use.

Further information on handling

Handle, store and transport in compliance with local regulations and in labelled containers that are suitable for this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep containers tightly closed in a dry, cool, and well-ventilated place. Protect from humid air and water.

Advice on storage compatibility

Store separately from: oxidising agents

Further information on storage conditions

Never allow product to come in contact with water during storage.

Smoking in the storage rooms is forbidden. Already opened containers should be closed thoroughly and should be stored upright in order to prevent leakage.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Normal and branched chain alkanes \geq C7: 1200 mg/m³ (TWA 8h) (excludes n-hexane and n-heptane)

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation and/or exhaust ventilation. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

Protective and hygiene measures

Avoid contact with skin and eyes. Avoid contact with clothing. Take off contaminated clothing and shoes immediately. Remove and wash contaminated clothing before re-use. Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and at the end of the workday.

Apply lotion to hands afterwards.

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Eye/face protection

Tightly fitting safety goggles

Hand protection

Protective gloves

The manufacturer recommends the following glove materials: PVC - Protective gloves.

Safety gloves should be selected for the actual conditions of use and in accordance with the instructions for use provided by the manufacturer.

Preventive skin protection: skin protection cream.

Skin protection

Impervious clothing, chemical-resistant (solvent).

Respiratory protection

When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. (Boiling point/range: > 65°C)

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	transparency, colourless
Odour:	mild

Test method

pH-Value:	n.a.
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Changes in the physical state

Melting point:	No data available.
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Initial boiling point and boiling range:	140-160 °C
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Flash point:	61 °C DIN 51755
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Sustaining combustion:	No data available
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Flammability

Solid:	No data available.
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Gas:	No data available.
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Explosive properties

In use, may form high flammable/explosive vapour air mixture.

Lower explosion limits:	approx. 0,5 vol. %
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Upper explosion limits:	approx. 5,0 vol. %
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Ignition temperature:	No data available.
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Auto-ignition temperature

Solid:	No data available.
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Gas:	No data available.
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Decomposition temperature:	No data available.
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Oxidizing properties

The product is combustible.

Vapour pressure:	No data available.
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Density (at 20 °C):	0,77 g/cm ³
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Water solubility: (at 20 °C)	insoluble
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Solubility in other solvents

miscible with most organic solvents

Partition coefficient:

No data available.

Flow time:
(at 20 °C)

< 30 s /3 mm

Vapour density:

No data available.

Evaporation rate:

No data available.

Solvent content:

100 %

9.2. Other information

Solid content:

n.a.

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions are known under conditions of normal use.

10.2. Chemical stability

No decomposition if used as directed. See section 7.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces, and sources of ignition.

10.5. Incompatible materials

strong oxidizers, strong acids

10.6. Hazardous decomposition products

The release of the following substances is possible in a fire: carbon monoxide (CO), carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data is available on the product itself. The following toxicological assessments are based on the toxicological knowledge of the separate components of the product.

Acute toxicity

Hydrocarbon (CAS 68551-19-9):

LD₅₀/oral/rat: > 5000 mg/kgLD₅₀/dermal/rabbit: > 5000 mg/kgLC₅₀/inhalative/rat: > 5000 mg/m³

Orange terpenes (8028-48-6):

LD₅₀/oral/rat: > 5000 mg/kgLD₅₀/dermal/rabbit: > 5000 mg/kg

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
68551-19-9	Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics				
	oral	LD50	> 5000 mg/kg	rat	
	dermal	LD50	> 5000 mg/kg	rabbit	
	inhalative vapour	LC50	> 5000 mg/l	rat	

Irritation and corrosivity

Mild skin irritation.

Mild eye irritation.

Sensitising effects

May cause sensitisation by skin contact.

Severe effects after repeated or prolonged exposure

Drying out of the skin due to defatting. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Practical experience**Other observations**

Inhalation of large amounts of solvent vapour can have a narcotic effect. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Aspiration of the liquid while swallowing incorrectly or vomiting can lead to serious pneumonia caused by chemicals.

SECTION 12: Ecological information**12.1. Toxicity**

No data is available on the product itself. The following toxicological assessments are based on the toxicological knowledge of the separate components of the product.

Hydrocarbon (CAS 68551-19-9):

EL 50 (72 h): > 1000 mg/l (algae)

NOELR (21 d): 1,0 mg/l (daphnia)

12.2. Persistence and degradability

Not easily biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Contains no organically bonded halogens

Further information

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Disposal in accordance with the official regulations. Hazardous waste incineration. Must be incinerated in a suitable incineration plant authorised under the Environmental Protection Act.

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Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Packaging can be sent for recycling after being emptied and cleaned. Dispose of non-cleansing packaging in the same way as the product.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not classified as dangerous regarding transport regulations.

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not classified as dangerous regarding transport regulations.

Marine transport (IMDG)**Other applicable information (marine transport)**

Not classified as dangerous regarding transport regulations.

Air transport (ICAO)**Other applicable information (air transport)**

Not classified as dangerous regarding transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

No Substances of Very High Concern (SVHC) according REACH Article 57.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

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15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**

n.a. = not applicable
 n.d. = not determined
 n.d.a. = no data available

Relevant R-phrases (Number and full text)

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

Relevant H- and EUH-phrases (Number and full text)

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.
 EUH066 Repeated exposure may cause skin dryness or cracking.
 EUH208 Contains Orange oil . May produce an allergic reaction.

Further Information

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

n.a. = not applicable
 n.d. = not determined
 n.d.a. = No data available.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)