

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision Number: 1

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

### 1.1. Product identifier

**Product Name:** Kluthe Leinölfirnis  
**Article number:** 069130330000  
**CAS No:** 68649-95-6

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### 1.3. Details of the supplier of the safety data sheet

**Supplier:** conti coatings GmbH  
Feldstrasse 55  
D - 46149 Oberhausen  
Telefon: +49 208/ 9948-0  
Telefax: +49 208/ 650625  
www.conticoatings.com

**E-mail address:** sds.ob@kluthe.com

### 1.4. Emergency telephone number

**Emergency Telephone:** +49 177 / 214 4737 (24 h)

|  |  |
|--|--|
| <b>Emergency Telephone - §45 - (EC)1272/2008</b> |  |
| <b>Europe</b>                                    | 112  |
| <b>Austria</b>                                   | +43 1 406 43 43 (Giftinformationszentrale) |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.3. Other hazards

Rags, paper, cloth, and other porous materials may spontaneously combust when wetted with this product.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

The product contains no substances which at their given concentration, are considered to be hazardous to health

Acute Toxicity Estimate:  
No information available.

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|               |  |
|---------------|--|
| Inhalation:   | Remove to fresh air.   |
| Eye contact:  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact: | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                 |
| Ingestion:    | Rinse mouth.   |

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

Symptoms: No information available.

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

Note to physicians: Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                 |   |
|---------------------------------|---|
| Suitable Extinguishing Media:   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Large Fire:                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| Unsuitable extinguishing media: | Do not scatter spilled material with high pressure water streams.                                       |

### 5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: No information available.

### 5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

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For emergency responders: Use personal protection recommended in Section 8.

## 6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

## 6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

## 6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling



Advice on safe handling: Ensure adequate ventilation.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

### 7.3. Specific end use(s)

Other information: No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure Limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits: This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL): No information available

Predicted No Effect Concentration (PNEC): No information available

### 8.2. Exposure controls

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Engineering controls: None under normal use conditions.

Personal protective equipment:



Eye/face protection: No special protective equipment required.

| PPE - Glove material | Glove thickness | Break through time |
|----------------------|-----------------|--------------------|
| NBR (Nitrile rubber) |                 |                    |

Skin and body protection: No special protective equipment required.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: not relevant

Environmental exposure controls: No information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance Liquid

Color yellow

Odor characteristic

|                               | Conditions | Method | Remarks         |
|-------------------------------|------------|--------|-----------------|
| Melting point / melting range |            |        | Not established |

|                               |  |  |                 |
|-------------------------------|--|--|-----------------|
| Boiling point / boiling range |  |  | Not established |
|-------------------------------|--|--|-----------------|

|              |  |  |                 |
|--------------|--|--|-----------------|
| Flammability |  |  | Not established |
|--------------|--|--|-----------------|

|                           |   |     |    |  |
|---------------------------|---|-----|----|--|
| Decomposition temperature | > | 300 | °C |  |
|---------------------------|---|-----|----|--|

|             |  |  |  |            |
|-------------|--|--|--|------------|
| Flash point |  |  |  | None known |
|-------------|--|--|--|------------|

|                          |  |     |    |  |
|--------------------------|--|-----|----|--|
| Autoignition temperature |  | 430 | °C |  |
|--------------------------|--|-----|----|--|

|                       |  |  |  |              |
|-----------------------|--|--|--|--------------|
| Lower explosive limit |  |  |  | not relevant |
|-----------------------|--|--|--|--------------|

|                       |  |  |  |              |
|-----------------------|--|--|--|--------------|
| Upper explosion limit |  |  |  | not relevant |
|-----------------------|--|--|--|--------------|

|                |  |  |  |                 |
|----------------|--|--|--|-----------------|
| Vapor pressure |  |  |  | Not established |
|----------------|--|--|--|-----------------|

|         |   |       |                   |       |
|---------|---|-------|-------------------|-------|
| Density | ~ | 0.936 | g/cm <sup>3</sup> | 20 °C |
|---------|---|-------|-------------------|-------|

|                  |   |       |     |       |
|------------------|---|-------|-----|-------|
| Water solubility | < | 0.001 | g/L | 20 °C |
|------------------|---|-------|-----|-------|

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|                            |                   |                 |
|----------------------------|-------------------|-----------------|
| pH                         |                   | not applicable  |
| pH (as aqueous solution)   |                   | Not established |
| Partition coefficient      | >                 | Not established |
| Kinematic viscosity        |                   | None known      |
| Odor threshold             |                   | Not established |
| Relative density           |                   | Not established |
| Evaporation rate           |                   | Not established |
| Relative vapor density     | no data available |                 |
| Particle Size              | no data available |                 |
| Particle Size Distribution | no data available |                 |

## 9.2. Other information

|                  |                          |
|------------------|--------------------------|
| Bulk density:    | no data available        |
| Softening point  | No information available |
| Molecular weight | No information available |

### 9.2.1. Information with regard to physical hazard classes:

|                      |                  |
|----------------------|------------------|
| Explosive properties | Not an explosive |
| Oxidizing properties | Not oxidising.   |

9.2.2. Other safety characteristics: No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: No information available.

### 10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

|                                   |       |
|-----------------------------------|-------|
| Sensitivity to mechanical impact: | None. |
| Sensitivity to static discharge:  | None. |

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

### 10.5. Incompatible materials

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Incompatible materials: None known based on information supplied.

## 10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Information on likely routes of exposure:

|                      |   |
|----------------------|---|
| Product Information: | The product has not been tested                                   |
| Inhalation:          | Specific test data for the substance or mixture is not available. |
| Eye contact:         | Specific test data for the substance or mixture is not available. |
| Skin contact:        | Specific test data for the substance or mixture is not available. |
| Ingestion:           | Specific test data for the substance or mixture is not available. |

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: No information available.

Numerical measures of toxicity: No information available

Acute toxicity: No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

|                                    |                           |
|------------------------------------|---------------------------|
| Skin corrosion/irritation:         | No information available. |
| Serious eye damage/eye irritation: | No information available. |
| Respiratory or skin sensitization: | No information available. |
| Germ cell mutagenicity:            | No information available. |
| Carcinogenicity:                   | No information available. |
| Reproductive toxicity:             | No information available. |
| STOT - single exposure:            | No information available. |
| STOT - repeated exposure:          | No information available. |
| Aspiration hazard:                 | No information available. |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

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No information available.

## 11.2.2. Other information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity: The environmental impact of this product has not been fully investigated.

### 12.2. Persistence and degradability

Persistence and degradability: No information available

### 12.3. Bioaccumulative potential

Bioaccumulation: No information available

### 12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment: No information available

### 12.6. Endocrine disrupting properties.

No information available.

### 12.7. Other adverse effects.

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

## SECTION 14: Transport information

### 14.1. UN number

ADR: Not regulated  
RID: Not regulated

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IMDG: Not regulated  
IATA: Not regulated

## 14.2 UN proper shipping name

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.3. Transport hazard class(es)

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.4. Packing group

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.5. Environmental hazards

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.6. Special precautions for user

ADR: Not regulated  
RID: Not regulated  
IMDG: Not regulated  
IATA: Not regulated

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

## SECTION 15: Regulatory information

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

#### European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

- This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)
- This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

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Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG: .? %

acc. reg. 2004/42/EG (Decopaint): .? %

## National regulations:

### Germany:

Water hazard class (WGK): non-hazardous to water (nwg)

### Austria:

Flammable Liquids Regulations, VbF: Not regulated

### Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: .? %

## International Inventories:

|               |                 |
|---------------|-----------------|
| TSCA          | Complies        |
| DSL/NDSL      | Complies        |
| EINECS/ELINCS | Complies        |
| ENCS          | Does not comply |
| IECSC         | Complies        |
| KECL          | Complies        |
| PICCS         | Complies        |
| AICS          | Complies        |

## Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## 15.2. Chemical safety assessment

Chemical Safety Report: No information available

## SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Legend:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

ADR: European agreement concerning the international carriage of dangerous goods by road

(Accord européen relatif transport des marchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)

BCF: Bio-Concentration Factor

BOD(5): Biochemical oxygen demand (within 5 days)

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Carcinogenic, Mutagenic, toxic for Reproduction

DIN: German Standards Institute / German industrial norm

DNEL: Derived No Effect Level

DOC: Dissolved organic carbon

EAK/ AVV: European waste catalogue/ waste directory-regulation

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

IC50: Inhibition Concentration 50%

IMDG: International Maritime Dangerous Goods Code

LC50: Lethal Concentration 50% - LD50: Lethal dose 50%

MAK: Treshold limit values Germany

NLP: No Longer Polymers

NOAEC: No Observed Adverse Effect Concentration

NOAEL: No Observed Adverse Effect Level

OECD: Organization for Economic Cooperation and Development

PBT: persistent, bioaccumulative, toxic

PC: Product category

PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation and Authorization of Chemicals

RID: Regulations concerning the international carriage of dangerous goods by rail

(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)

STEL: Short-term Exposure Limit

STP: Sewage treatment plant

SVHC: Substance of Very High Concern

TLV: Threshold Limit Value

TWA: Time Weighted Average

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent, very bioaccumulative

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value

\* Skin designation

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapor                               | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitization                                       | Calculation method |
| Skin sensitization  | Calculation method |
| Mutagenicity  | Calculation method |

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|                          |                    |
|--------------------------|--------------------|
| Carcinogenicity          | Calculation method |
| Reproductive toxicity    | Calculation method |
| STOT - single exposure   | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity   | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard        | Calculation method |
| Ozone                    | Calculation method |

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)  
Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

## Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**