

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

Printing date 16.04.2018

Version 5

Revision: 16.04.2018

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

- **1.1 Product identifier**
- **Trade name:** **Lubrimax Edel C**
- **Document index:** TECH159
- **Article number:** 890004 (20-L)
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
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- **Application of the substance / the mixture** Industrial use
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Steidle GmbH
Roettgerweg 12
D-51371 Leverkusen
GERMANY
Tel.: +49-(0)214/82511-25
Fax: +49-(0)214/82511-26
E-Mail: info@steidle-gmbh.de
Internet: www.steidle-gmbh.de
- **Further information obtainable from:** Department of technology: +49-(0)214/82511-12
- **E-mail of the informed person:** info@steidle-gmbh.de
- **1.4 Emergency telephone number:** see above or consult the next poison information departement

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**
- **Results of PBT and vPvB assessment**
- **PBT:** The criteria to identify an ingredient as a PBT substance in compliance with REACH are according to our information currently not available.
- **vPvB:** The criteria to identify an ingredient as a vPvB substance in compliance with REACH are according to our information currently not available.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of vegetable oils and active substances.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.
For substances with limit values see section 8. Exposure controls/personal protection.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Remove any clothing soiled by the product.
In case of occurring of symptoms or in doubt consult a doctor.
If a doctor is consulted show this material safety data sheet.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist 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.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
 - Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Carbon monoxide (CO)
Sulphur dioxide (SO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
 - Cool endangered receptacles with water spray.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation.
 - Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
 - Do not allow to enter sewers/ surface or ground water.
 - Do not allow to penetrate the ground/soil.
 - Keep contaminated washing water and dispose of appropriately.
- **6.3 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 section 13.
 - Remove from the water surface (e.g. skim or suck off).
- **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**
 - Ensure good ventilation/exhaust at the workplace.
 - Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
 - Fumes can combine with air to form an explosive mixture above the flash point.
 - When residues of the product are removed in a purification plant:
Possible release of flammable substances by distillation in systems with solvent recovery.
 - Risk of accumulation in the solvent circuit.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:**
 - Not required.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat, direct sunlight and UV-rays.
 - Storage stability under the described conditions: 24 months.
- **7.3 Specific end use(s)**
 - No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:**
 - No further data; see section 7.
- **8.1 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.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures are to be adhered to when handling chemicals.
 - Wash hands before breaks and at the end of work.

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- **Respiratory protection:** Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation or in cases where overexposures may occur.
- **Protection of hands:** Protective gloves or protective skin cream
- **Material of gloves:** Nitrile rubber, NBR
- **Penetration time of glove material:** At a glove thickness of about 0,4 mm the value of the permeation breakthrough in accordance with EN 374 is for chemically similar products according to the manufacturer: >480 min. (Degradation EN 374 rating class 6)
These statements are based on laboratory test methods which could not simulate working conditions exactly. The responsibility rests with the end user for choosing the right gloves for his application.
- **Eye protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

- **Form:** Fluid
- **Colour:** Yellow
- **Odour:** Characteristic
- **Odour threshold:** Not determined.

- **pH-value:** Not applicable.

· **Change in condition**

- **Initial boiling point and boiling range:** Undetermined.
- **Pour point:** < -15 °C

- **Flash point:** 200 °C

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** > 200 °C

- **Decomposition temperature:** Not determined.

- **Explosive properties:** Product is not explosive. However formation of explosive air/vapour mixtures above the flash point or in case of strong misting is possible.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

- **Vapour pressure:** Not determined.

- **Density at 15 °C:** 0.93 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.

- **Partition coefficient: n-octanol/water:** Not determined.

· **Viscosity:**

- **Kinematic at 40 °C:** 43 mm²/s

· **Solvent content:**

- **VOC (EC):** None

- **Oxidising properties:** Not determined.

- **9.2 Other information:** No further relevant information available.

- **Additional information:** The above named properties are measured according to regulation (EC) 440/2008 or according to other comparable methods.

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No further relevant information available.

· **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.

- **10.4 Conditions to avoid:** See above

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- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** No decomposition if used and stored according to specifications.

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
 - ATE mix:
 - Oral: Acute toxicity estimate: > 2,000 mg/kg
 - Dermal: Acute toxicity estimate: > 2,000 mg/kg
 - Inhalation: Acute toxicity estimate: for gases > 20,000 ppmV; for vapours > 20 mg/l; for dust/mist > 5 mg/l
- **Primary irritant effect:** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Behaviour in sewage processing plants:** The product can be mechanically separated.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The criteria to identify an ingredient as a PBT substance in compliance with REACH are according to our information currently not available.
- **vPvB:** The criteria to identify an ingredient as a vPvB substance in compliance with REACH are according to our information currently not available.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Delivery of waste oil to officially authorised collectors only.

European waste catalogue

12 01 12*	spent waxes and fats
15 01 10*	packaging containing residues of or contaminated by hazardous substances

- **For the product:** 12 01 12*
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
Waste disposal key: 15 01 10*

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void

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- **14.3 Transport hazard class(es)**
- **ADR**
- **Class** Void
- **Label** Void
- **ADN/R Class:** Void

- **14.4 Packing group**
- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**
- **Marine pollutant:** No

- **14.6 Special precautions for user** Not applicable.

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

- **Transport/Additional information:** Not dangerous according to the above specifications.
- **ADR**
- **Excepted quantities (EQ):** Void
- **Limited quantities (LQ)** Void
- **Transport category** Void
- **Tunnel restriction code** Void
- **IMDG**
- **Limited quantities (LQ)** Void
- **Excepted quantities (EQ)** Void
- **IATA** Void
- **UN "Model Regulation":** 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** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU** Void
- **National regulations:**
- **Breakdown regulations:** The product is not subject to the Hazardous Incidents Ordinance.
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **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.

- **Reasons for alterations** General revision.
- **Classification according to Regulation (EC) No 1272/2008** Calculation method
- **Department issuing SDS:** Department of technology: +49-(0)214/82511-12
- **Abbreviations and acronyms:**
 - REACH: Registration, Evaluation and Authorisation of Chemicals (regulation (EC) No 1907/2006)
 - PBT: persistent, bioaccumulative, toxic
 - vPvB: very persistent, very bioaccumulative
 - EC: European Community
 - NLP: no longer polymers
 - 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)
 - WEL: Worktime Exposure Limit
 - TWA: Time Weighted Average concentration
 - STEL: Short Time Exposure Limit
 - OEL: Occupational Exposure Limit
 - OEL (EU): Occupational Exposure Limit of the European Union
 - TLV: Threshold limit value
 - TWA: Time Weighted Average concentration
 - STEL: Short Time Exposure Limit
 - IOELV: Indicative Occupational Exposure Limit Value
 - WEL: Worktime Exposure Limit
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EC50: ecotoxic concentration, 50 percent
 - NOEC: no observed effect concentrations
 - NOELR: No observed effect loading rate

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ATE: acute toxicity estimate
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
VOC: Volatile Organic Compounds (USA, EC)
ADR: Accord européen sur le transport 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

. * Data compared to the previous
version altered.

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