

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.03.2024

Version 10 (replaces version 9)

Revision: 13.03.2024

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

· **1.1 Product identifier**

· **Trade name:** Lubrimax Alu Fleckfrei
 · **Document index:** TECH061
 · **Article number:** 890504 (20-L)

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

· **Application of the substance / the mixture**
 Industrial use
 PC-TEC-13: Metal working fluids
 PC-TEC-17: Processing aids
 PC-TEC-11: Lubricants, greases, release agents
 PC-TEC-OTH: Other products for chemical or technical processes

· **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)214/82511-21

· **E-mail of the informed person:** info@steidle-gmbh.de

· **1.4 Emergency telephone number:** Emergency CONTACT (24-Hour-Number): GBK GmbH +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**

· **Results of PBT and vPvB assessment**

· **PBT:** The mixture does not contain substances in concentrations of 0.1% or higher that meet PBT criteria.
 · **vPvB:** The mixture does not contain substances in concentrations of 0.1% or higher that meet vPvB criteria.

· **Determination of endocrine-disrupting properties**

The mixture does not contain substances in concentrations of 0.1% or higher which have endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of different nonhazardous components.
 · **Dangerous components:** Void
 · **Additional information:** 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.
 · **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
 · **After swallowing:** Do not induce vomiting; call for medical help immediately.

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- **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:** 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)
- **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** No dangerous substances are released.
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.
- **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 at least 24 months.
- **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:** 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**
- **Appropriate engineering controls** No further data; see section 7.

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- **Individual protection measures, such as 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.
- **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.
- **Hand protection**
- **Material of gloves**

Protective gloves or protective skin cream
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/face 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**
- **Physical state**

Fluid
- **Colour:**

Colourless
- **Odour:**

Mild
- **Melting point/freezing point:**

Undetermined.
- **Boiling point or initial boiling point and boiling range**

> 280 °C
- **Flammability**

Not applicable.
- **Lower and upper explosion limit**
- **Lower:**

Not determined.
- **Upper:**

Not determined.
- **Flash point:**

> 150 °C
- **Auto-ignition temperature:**

> 250 °C
- **Decomposition temperature:**

Not determined.
- **pH**

Not applicable.
- **Viscosity:**
- **Kinematic at 40 °C:**

20 mm²/s
- **Solubility**
- **water:**

Not miscible or difficult to mix.
- **Partition coefficient n-octanol/water (log value)**

Not determined.
- **Vapour pressure:**

Not determined.
- **Density and/or relative density**
- **Density at 15 °C:**

0.84 g/cm³
- **Relative density**

Not determined.
- **Relative gas density**

Not determined.
- **Particle characteristics**

Not applicable.
- **9.2 Other information**
- **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.
- **Solvent content:**
- **VOC (EC)**

None
- **Information with regard to physical hazard classes**
- **Explosives**

Void
- **Flammable gases**

Void
- **Aerosols**

Void
- **Oxidising gases**

Void
- **Gases under pressure**

Void
- **Flammable liquids**

Void
- **Flammable solids**

Void
- **Self-reactive substances and mixtures**

Void
- **Pyrophoric liquids**

Void
- **Pyrophoric solids**

Void
- **Self-heating substances and mixtures**

Void
- **Substances and mixtures, which emit flammable gases in contact with water**

Void
- **Oxidising liquids**

Void
- **Oxidising solids**

Void

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· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void
· Other safety characteristics	
· Mechanical sensitivity	Not determined.
· Self-accelerating polymerisation temperature	Not applicable.
· Formation of explosible dust/air mixtures	Not applicable.
· Acid/alkaline reserve	Not determined.
· Miscibility	Not determined.
· Conductivity	Not determined.
· Corrosiveness	Not determined.
· Gas group	Not applicable.
· Redox potential	Not determined.
· Radical formation potential	Not determined.
· Photocatalytic properties	Not determined.
· 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
· 10.5 Incompatible materials:	Strong oxidizing agents
· 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

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:	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
· 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.
· 11.2 Information on other hazards	
· Endocrine disrupting properties	The mixture does not contain substances in concentrations of 0.1% or higher which have endocrine disrupting properties.

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.
· 12.5 Results of PBT and vPvB assessment	
· PBT:	The mixture does not contain substances in concentrations of 0.1% or higher that meet PBT criteria.
· vPvB:	The mixture does not contain substances in concentrations of 0.1% or higher that meet vPvB criteria.
· 12.6 Endocrine disrupting properties	The mixture does not contain substances in concentrations of 0.1% or higher which have endocrine disrupting properties.

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- 12.7 Other adverse effects
- Behaviour in sewage processing plants: The product can be mechanically separated.
- Additional ecological information:
- General notes: Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

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

· European waste catalogue

12 01 10*	synthetic machining oils
15 01 10*	packaging containing residues of or contaminated by hazardous substances

- For the product: 12 01 10*
- 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 or ID number
- ADR, ADN, IMDG, IATA: Void

- 14.2 UN proper shipping name
- ADR: Void
- ADN, IMDG, IATA: Void

- 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 Maritime transport in bulk according to IMO instruments: 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
- Remarks: 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

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- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))** 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:**

- **Breakdown regulations:** The product is not subject to the directive on the control of major-accident hazards involving dangerous substances.
- **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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Reasons for alterations** General revision.
- **Classification according to Regulation (EC) No 1272/2008** Calculation method
- **Department issuing SDS:** Department of technology: +49-(0)214/82511-21
- **Version number of previous version:** 9
- **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
 - OEL: Occupational Exposure Limit
 - 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
 - ATE: acute toxicity estimate
 - EDC: Endocrine disrupting chemicals
 - 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.**

EU-