



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

1.1 Product identifier:

Substance name: Ethyl Oleate
CAS No.: 111-62-6
Product code: TekLeu®
REACH Registration No.: Irrelevant as pharmaceutical excipient

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

Relevant identified uses: pharmaceutical excipient
Uses advised against: Not identified
Reason why uses advised against: Not identified

1.3 Details of the Supplier of the safety data sheet

1.3.1 Details of the supplier of the safety data sheet:

Manufacturer/Supplier: Libertia Performance Chemicals Co., Ltd
Address: Creative Campus | Alfred-Nobel-Strasse 10 | 40789 Monheim am Rhein | Germany
Telephone number: 0086 138 18547689

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards None

SECTION 3: Composition/information on ingredients

Product identifier type in accordance	Identification number	Formula	EC Number	Molecular weight
Ethyl Oleate	111-62-6	C ₂₀ H ₃₈ O ₂	203-889-5	310.52 g/mol
No components need to be disclosed according to the applicable regulations.				

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin contact: Wash off with soap and plenty of water.
Eye contact: Flush eyes with water as a precaution.
Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. For personal protection see section 8
Do not let product enter drains.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal.
For disposal see section 13.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage at room temperature. Air and light sensitive.

7.2.1 Storage class (TRGS 510): Non Combustible Liquids

Non Combustible Liquids

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	No information available.
8.2 Exposure controls	
Appropriate engineering controls	General industrial hygiene practice.
8.3 Personal protective equipment	
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards
Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odor	No data available
Odor threshold	No data available
Appearance	clear, liquid
pH	No data available
Melting point/freezing point	-32 °C
Initial boiling point/boiling range	205 - 208 °C at 1013 hPa ; 216 - 218 °C at 20 hPa
Flash point	> 113 °C - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability limits in air - lower(%) by volume	No data available
Flammability limits in air - upper(%) by volume	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.870g/cm ³
Viscosity	No data available
Solubility (water)	No data available
Partition coefficient (n-octanol/water)	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10: Chemical Stability & Reactivity Information

10.1 Chemical stability	Stable under recommended storage conditions.
10.2 Possibility of hazardous reactions	No data available
10.3 Conditions to avoid	Air Light.
10.4 Incompatible materials	Strong oxidizing agents
10.5 Reactivity	No data available.
10.6 Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity	LD50 Oral - Rat - > 5,000 mg/kg(Ethyl oleate) LD50 Dermal - Rabbit - > 5,000 mg/kg(Ethyl oleate)
Skin corrosion/irritation	No data available(Ethyl oleate)
Serious eye damage/eye irritation	No data available(Ethyl oleate)
Respiratory or skin sensitisation	No data available(Ethyl oleate)
Germ cell mutagenicity	No data available(Ethyl oleate)

11.2 Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
RTECS: RG3715000

11.3 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Ethyl oleate)

SECTION 12: Ecological information

12.1 Toxicity	No data available
12.2 Mobility in soil	No data available(Ethyl oleate)
12.3 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport Information

The product is not covered by international regulations on the transport of dangerous goods (ADR, IATA, RID/IMDG).

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Disclaimer

Our company Libertia Performance Chemicals Co., Ltd provides this MSDS sheet in good faith but makes no representation as to its comprehensiveness or accuracy. This SDS sheet is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The above information has been compiled from various sources and has the possibility of discrepancy and being out-dated information. Individuals receiving the information must exercise their independent judgment and do further search in determining its appropriateness for a particular purpose. In no case shall our company be liable to loss or damages by the product user.