

# Material Safety Data sheet

Relating to 91/155/EEC

# Lauro MS

**Date of issue: 10.03.09**

**Version 01**

## 1. Substance, Preparation and Company Identifications:

Trade name: Lauro MS  
Producer: Lautrup Chemicals A/S  
Bredgade 17  
DK – 1260 Copenhagen K

Tel. +45 3336 7000  
Fax +45 3336 7001  
E-mail: [Lautrup@lautrup.com](mailto:Lautrup@lautrup.com)

Responsible department: Oleochemicals  
Emergency telephone number: +45 3336 7000

## 2. Composition/Information on Ingredients:

Chemical characteristic:  
Methyl esters of rapeseed fatty acids.

Substances presenting health hazards: None.

## 3. Identification of Hazards:

Eyes: Irritates the eyes shortly.  
Skin: Prolonged contact causes defatting of the skin.  
Ingestion: Oral intake of large quantities is expected to cause irritation of the mouth, throat and digestive tract.

Critical hazards to humans and the environment (R-phrases): None.

## 4. First Aid Measures:

General recommendations: None.  
Inhalation: No vapours appear at normal working temperature.  
Skin contact: Rinse with water and soap.  
Eye contact: Rinse with plenty of water, seek medical advice.  
Ingestion: Rinse the mouth with water and drink plenty of water. Seek medical advice.

Advise for the doctor: Accident with methyl esters of fatty acids. Bring this MSDS.

## 5. Fire fighting measures:

Suitable fire extinguisher: Water mist, foam, dry powder and CO<sub>2</sub>.  
Unsuitable fire extinguisher: Water jet.  
Special measures for fight against fire: No data available.

## 6. Accidental release measures:

Personal precautions: Avoid contact with eyes, skin and clothes.  
Environmental precautions: Keep away from drains, surface and ground water.

Methods for cleaning up: Use absorbent materials (sand, sawdust or universal binder).

Further measures: None.

### **7. Handling and storage:**

Handling: Handle with care and avoid oil on the floor (slippage).

Measures for safety handling: Consider normal working hygiene.

Storage conditions: No special measures.

Measures for storage: Store at normal temperature.

### **8. Exposure Control/Personal protections:**

Further measures to the design of technical equipment:

No further advice; see heading 7.

Specific control parameters like threshold limit values or biological standards:

No data available.

Personal protections:

Respiratory protections: No aerosol formation.

Hand protection: Use protective gloves.

Eye protection: No special measures.

Skin protection: No special measures.

### **9. Physical and Chemical Properties:**

Appearance.

Form: Liquid.

Colour: Yellowish.

Smell: Bland.

Information related to safety.

Boiling point: Approx. 300°

Cloud point: Approx. 0°

Flash point: >150°

Ignition temperature: No data available.

Auto flammability: Not possible.

Explosive properties: Not explosive.

Limits of flammability: No data available.

Vapour pressure at 20°: <0,01 mbar.

Vapour pressure at 50°: <0,01 mbar.

Density at 25°: 0,88 g/ml

Solubility in water: Emulsify.

PH value (10% Emulsion): 4-7

Partition coefficient n-Octanol/water: No data available.

Viscosity: Dynamic at 25°: 6 mPa.S

### **10. Stability and Reactivity:**

Conditions to avoid: No data available.

Material to avoid: No data available.  
Hazardous decomposition products: Decompose during burning to carbon dioxide and water.  
Further advise: None.

### **11. Toxicological information:**

Acute toxicity:

LD/LC50 – value: LD50>2000mg/kg body weight. Rats oral.  
Specific symptoms by animal test: No data available.  
Immediate effect: No data available.  
Sensitizations: No data available.  
Further information: The preparation is thus by ingestion non-toxic.  
Short and long term toxicity: No data available.  
Experience from human exposure: No data available.

### **12. Ecological information:**

Elimination (persistence and degradability): No data available.  
Bio accumulative potential: No data available.  
Ecotoxicity: No data available.  
Further information: Readily biodegradable (according to OECD classification).

According to recipe, the content of heavy metals and substances classified as dangerous to the environment: None.

### **13. Disposal Considerations:**

Disposal according to the local authorities' advise. May be burned together with household waste.

Contaminated packaging: Disposal according to the local authorities' advises.

### **14. Transport information:**

Land transport ADR/RID and GGVS/GGVE: Not classified.  
Sea transport IMDG/GGVSee: Not classified.  
Air transport ICAO-TI and IATA-DGR: Not classified.

Further transport information: No hazardous preparation according to these transports classifications.

### **15. Regulatory information:**

Classification according to EEC directives: This preparation is to our information not a dangerous material.

Symbols and phrases according to health hazards: None.

Dangerous substances to label: None.

R-phrases: None.

S-phrases: None.

### **16. Further information:**

The information in this MSDS is accurate to the best of our knowledge and is valid for the product in the supplied state.