



L A U T R U P C H E M I C A L S

Material Safety Data sheet

LauroI MES

Relating to 91/155/EEC

Date of issue: 28.03.03

Version 01

1. Substance, Preparation and Company Identifications:

| | | |
|-------------|---------------------------|--|
| Trade name: | LauroI CEG | |
| Producer: | Lautrup Oleochemicals A/S | Tel. +45 3336 7000 |
| | Bredgade 17 | Fax +45 3336 7001 |
| | DK – 1260 Copenhagen K | E-mail: Lautrup@lautrup.com |

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

2. Composition/Information on Ingredients:

Chemical characteristic:
Mixture of different Methyl esters of palmkernel, coconut and rapeseed fatty acids with addition of vegetable based emulsifiers.

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 advise. |
| 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 CO₂.
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: 250°
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° 0,87 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 (persistency 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.

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