



Section 1. Product and Company Identification

Product Name Lauric Acid
CAS Number 143-07-7

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Eye Irritation: Category 2B

GHS Label Elements

Pictograms: N/A

Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

Causes eye irritation

Precautionary Statements

Wash eye thoroughly after handling

If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice / attention

Section 3. Composition / Information on Ingredients

Common Name Lauric Acid
Synonym(s) Dodecanoic Acid; C12 Fatty Acid
Formula $C_{12}H_{24}O_2$
CAS Number 143-07-7

Section 4. First Aid Measures

Inhalation: Sore throat, cough. Remove to fresh air. If suffocation is serious, take to a doctor

Skin Contact: Irritating. Remove contaminated clothing, flush skin with water or shower. Take to a doctor if necessary

Eye Contact: Irritating. Flush with water; take to a doctor if necessary

Ingestion: Sore throat, abdominal pain. Rinse mouth, drink plenty of water, see physician

Section 5. Firefighting Measures

Suitable fire-fighting agents: Use dry powder, foam, carbon dioxide

Extinguishing media which must not be used for safety reasons: Water jet

Specific hazards in the event of fire: Combustible, keep away from open flame, no smoking

Protection of fire-fighters (use of protective equipment, etc.): Use self-contained breathing equipment if in confined place. Form slippery soap when in contact with alkali.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use gloves, face shield

Environmental precautions: Do not allow to flow into drainage system.

Methods and materials for containment and cleaning up: Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Wipe clean. Can also allow spillage to solidify, then shovel into containers. Clean up area immediately.

Section 7. Handling and Storage

Precautions for safe handling: Use gloves and wear goggles when handling.

Conditions for safe storage, including any incompatibilities: Keep in a cool and dry place, avoid extreme heat and cold. Avoid direct fire. Keep separate from oxidants. Store in clean, dry, preferably stainless steel vessels. In bulk, store at about 10°C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss.

Section 8. Exposure Controls / Personal Protection

Control parameters: None

Appropriate engineering controls: No special measures required.

Individual protection measures, such as personal protective equipment (PPE)

Immediately remove soiled or soaked clothing.

Hand protection: Suitable protective gloves.

Eye protection: Protective goggles.

Body protection: Suitable protective clothing.

Section 9. Physical and Chemical Properties

Appearance: White/pale yellow solid, flakes, or beads.

Odor: Faint fatty odor

Odor threshold: Not available
pH: Not available
Melting point / freezing point: 43 - 44.5°C
Initial boiling point and boiling range (760 mmHg): 299°C
Flash point (Pensky-Martens Closed Cup): above 150°C
Evaporation rate: Not applicable
Flammability (solid, gas): Not flammable
Upper/lower flammability or Explosive limits: Not explosive
Vapor pressure (131°C): < 1.0 mmHg
Vapor density: Not available
Relative density (35°C): 1.0099
Solubility (20°C): 0.000481g/100g
Partition coefficient (n-Octanol/water): 4.2
Auto-ignition temperature: > 250°C
Decomposition temperature: Not available
Viscosity (50°C): 7.30
Density (75°C): 0.85 g/mL
Density (80°C): 0.85 g/mL
Relative Molecular mass: 200.32

Section 10. Stability and Reactivity

Reactivity: None known
Chemical stability: None known
Possibility of hazardous reactions: None known
Conditions to avoid: Avoid direct fire, strong oxidant /alkalis
Incompatible materials: Strong oxidants
Hazardous decomposition products: None known

Section 11. Toxicological Information

Acute toxicity

Oral (rat): LD50>5000 mg/kg body weight, OECD 401 method.

Skin corrosion/ irritation

Primary skin irritation (rabbit): Mild irritation, does not require labelling, OECD 404 method.

Serious eye damage/irritation: Irritating , OECD 405 method

Respiratory or skin sensitization: Non-sensitizing

Germ cell mutagenicity: Not mutagenic (Ames test)

Carcinogenicity: Not available

Reproductive toxicity: Not available

STOST -single / repeated exposure: Not available

Aspiration hazard: Not available

Section 12. Ecological Information

Aquatic Toxicity

Acute fish toxicity: LC50 > 100 mg product/l

Acute bacteria toxicity: EC50 > 100 mg product/l

Persistence and degradability: Readily and rapidly biodegradable

Bioaccumulative potential: Log Pow= 4.2

Mobility in soil: Not available

Other adverse effect: Not available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

UN Number: None

UN Proper Shipping Name: None

Transport Hazard Class: Not hazardous according to RID/ADR, GGVS/GGVE, ADNRR, IMDG, ICAOTI/IATA-DGR.

Packing Group: None

Environmental Hazard

Marine pollutant: No

MARPOL Annex II: Category X

Section 15. Regulatory Information

Classification and labelling according to GHS

(No symbol)

Irritant

Eye Irritation: Category 2B

Classification and labelling according to EC

Symbol, Xi

Risk-phrases

R36- Irritating to eyes

Safety-phrases

S36- Wear suitable protective clothing & goggle.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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