

## SAFETY DATA SHEET

Issue Date 19-Nov-2025  
Revision Number 2.05

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Lauric Acid  
**Other means of identification**  
**Product Code(s)** 042-23281,044-23285

**Recommended use of the chemical and restrictions on use**

**Recommended Use** For research use only.  
**Uses advised against** Seek expert judgment when using for purposes other than those recommended.

**Details of the supplier of the safety data sheet**

<b>Manufacturer Address</b>	<b>Distributor</b>
FUJIFILM Wako Pure Chemical Corporation	FUJIFILM Irvine Scientific
1-2, Doshomachi 3-Chome,	E. Warner Avenue, Santa Ana, CA 92705-5505, U.S.A.: +1 949 261 7800
Chuo-ku Osaka 540-8605, Japan	Fax: +1 949 261 6522
Tel : +81-6-6203-3741	
Fax: +81-6-6201-5964	

## 2. HAZARDS IDENTIFICATION

**GHS classification****Classification of the substance or mixture**

<b>Serious eye damage/eye irritation</b>	Category 2B
<b>Acute aquatic toxicity</b>	Category 2
<b>Chronic aquatic toxicity</b>	Category 2

**Pictograms**

**Signal word** Warning

**Hazard statements**

H320 - Causes eye irritation  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

**Precautionary statements-(Prevention)**

Wash face, hands and any exposed skin thoroughly after handling Avoid release to the environment

**Precautionary statements-(Response)**

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  
Collect spillage

**Precautionary statements-(Storage)**

Not applicable

**Precautionary statements-(Disposal)**

Dispose of contents/container to an approved waste disposal plant

**Others**

Other hazards Not available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Substance

Formula  $\text{CH}_3(\text{CH}_2)_{10}\text{COOH}$

Chemical Name	Molecular weight	CAS RN	Weight-%
Lauric acid	200.32	143-07-7	98.0

Impurities and/or Additives: Not applicable

### 4. FIRST AID MEASURES

#### First aid measures

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization of susceptible persons.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder. Sand.

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

#### Explosion data

**Sensitivity to Mechanical** none.

#### **Impact**

**Sensitivity to Static Discharge** none.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods and material for containment and cleaning up** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Technical measures** Avoid contact with strong oxidizing agents.  
**Protective measures** Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage conditions** Store away from sunlight in well-ventilated place at room temperature (under 25 °C). Keep container tightly closed.

**Packaging materials** Polypropylene.

**Incompatible materials** Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

**Exposure limits** Not applicable

**Personal protective equipment**

**Respiratory protection** Dust mask ( JIS T 8151 )  
**Hand protection** chemical protective gloves ( JIS T 8116 )  
**Eye protection** protective eyeglasses or chemical safety goggles (JIS T 8147)  
**Skin and body protection** Long-sleeved work clothes

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Form**

**Color** white  
**Appearance** shot or mass

**Odor**

no data available

**pH**

no data available

**Melting point/freezing point**

43-46 °C

**Boiling point, initial boiling point and boiling range**

no data available

**Flash point**

no data available

**Evaporation rate:**

no data available

**Flammability (solid, gas):**

no data available

**Upper/lower flammability or explosive limits**

Upper:	no data available
Lower:	no data available
Vapour pressure	no data available
Vapour density	no data available
Specific Gravity / Relative density	0.883
Solubilities	Ethanol and acetone : soluble . water : practically insoluble,or insoluble .
n-Octanol/water partition coefficient:(log Pow)	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity (coefficient of viscosity)	no data available
Dynamic viscosity	no data available
Particle characteristics	no data available

## 10. STABILITY AND REACTIVITY

### Stability

Chemical stability	Stable under recommended storage conditions.
Reactivity	no data available
Hazardous reactions	
None under normal processing	
Conditions to avoid	
Extremes of temperature and direct sunlight	
Incompatible materials	
Strong oxidizing agents	
Hazardous decomposition products	
Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )	

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Lauric acid	12 g/kg ( rat )	N/A	N/A

Skin irritation/corrosion	no data available
Serious eye damage/ irritation	no data available
Respiratory or skin sensitization	no data available
Reproductive cell mutagenicity	no data available
Carcinogenicity	no data available
Reproductive toxicity	no data available
STOT-single exposure	no data available
STOT-repeated exposure	no data available
Aspiration hazard	no data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Lauric acid 143-07-7	EC50 : >7.6mg/L 48 h	LC50 : Orange-red killifish 5.0 mg/L 96 h	N/A	EC50 : 3.6 mg/L 48 h

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available

**Mobility**

no data available

Chemical Name	Partition coefficient
Lauric acid 143-07-7	4.2

**Mobility in soil**

No information available

**Other Data**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Precautionary including method of disposing contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****DOT**

UN/ID No UN3077  
 Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Lauric acid)  
 UN classification 9  
 Subsidiary hazard class  
 Packing group III  
 Marine pollutant Yes

**IATA**

UN/ID No UN3077  
 Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Lauric acid)  
 UN classification 9  
 Subsidiary hazard class  
 Packing group III  
 Environmentally Hazardous Substance Yes

**IMDG**

UN/ID No UN3077  
 Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Lauric acid)  
 UN classification 9  
 Subsidiary hazard class  
 Packing group III  
 Marine pollutant (Sea) Yes

**15. REGULATORY INFORMATION****US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part

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Chemical Name	CAS RN	Weight-%	SARA 313 - Threshold Values %
Lauric acid - 143-07-7	143-07-7	98.0	N/A

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any chemicals regulated by Proposition 65

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label Information**

EPA Pesticide Registration NumberNot applicable

**16. OTHER INFORMATION**

Issue Date 19-Nov-2025

**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet