

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Lauric Acid, Natural</b>
Product Number	<b>0261400</b>
CAS-No.	<b>0143-07-7</b>

### 1.2 Product Recommended Use

**Flavorings**

### 1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992
Telephone	845-496-6065
Fax	845-496-6248

### 1.4 Emergency Telephone Number

1-800-535-5053  
International - 1-352-323-3500 collect

## Section 2: HAZARD(s) IDENTIFICATION

### 2.1 Classification of substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Serious eye damage (Category 1), H318 Acute aquatic toxicity (Category 2), H401
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### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement **Danger**  
Hazard Statement(s)

H318	Causes serious eye damage
H302	Toxic to aquatic life

Precautionary Statement(s)

P273	Avoid release into the environment
P280	Wear protective gloves/eye protection/face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes, Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P501	Dispose of contents/container to an approved waste disposal plant.

### 2.3 HNOC (Hazards not otherwise classified or not covered by GHS)

None

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical characterization	Natural Product
Synonyms	Lauric acid Dodecanoic acid
Formula	C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>
Molecular Weight	200.32 g/mol
CAS-No	143-07-7
EC-No.	205-582-1

### Hazardous Components

Component	Classification	Concentration
No ingredients are hazardous according to OSHA criteria		
No components need to be disclosed according to the applicable regulations		

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation	Provide fresh air; keep at rest and at a comfortable position to breathe. Consult a physician
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 as a precaution. Consult a physician.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
Clothing contamination:	Remove contaminated clothing and wash before reuse.

**4.2 Most important symptoms and effects both acute and delayed** See section 2.2 and or section 11

**4.3 Indication of any immediate medical attention and special treatment needed** No data available

## Section 5: FIREFIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	Suitable Extinguishing Media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
<b>5.2 Special hazards arising from the substance or mixture</b>		Carbon oxides
<b>5.3 Advice for fire fighters</b>		Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions
<b>5.4 Further information</b>		No data available

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust. Ensure adequate ventilation.
<b>6.2 Environment precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. Discharge to the environment must be avoided.
<b>6.3 Methods and materials for containment and clean up</b>	Pick up with broom and shovel. Avoid creating dust. Place in a suitable, closed container for disposal.

6.4 **Specific end use(s)** Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

## Section 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid contact with skin and eyes. Avoid inhalation of dust and aerosols. Provide ventilation at places where dust is formed.
- 7.2 **Conditions for Safe storage** Keep container tightly closed in a dry and well-ventilated place.
- 7.3 **Specific End use(s)** Flavorings

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**  
Components with workplace control parameters: Contains no substances with workplace control parameters.
- 8.2 **Exposure Controls**  
Appropriate Engineering Controls Handle in accordance with good industrial hygiene and safety practices. Mechanical exhaust required, Safety Shower and Eye Bath
- Personal protective equipment** **These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.**
- Eye/face protection Wear appropriate tightly fitting safety goggles. NIOSH tested and approved.
- Skin protection Wear chemically resistant gloves of Nitrile rubber, 0.11mm thick. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
- Body protection Complete suite protecting against chemicals, made of material that is selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
- Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Information on basic physical and chemical properties**
- |   |                  |                                    |
|---|------------------|------------------------------------|
| a | Appearance       | White to yellowish powder/crystals |
| b | Odor             | Fatty Odor                         |
| c | Odor Threshold   | No data available                  |
| d | pH               | No data available                  |
| e | Melting Point    | 43-46°C                            |
| f | Boiling Point    | 299°C                              |
| g | Flash Point      | >110°C closed cup                  |
| h | Evaporation Rate | No data available                  |

i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	67 hPa at 210°C 1 hPa at 121°C
l	Vapor density	No data available
m	Relative density @25°C	0.883 g/cm <sup>3</sup>
n	Water Solubility	Insoluble in water; Soluble in Alcohol, Chloroform, Ether
o	Partition coefficient: n-octanol/water	log Pow: 4.2
p	Auto-ignition Temp.	No data available
q	Decomposition Temp.	No data available
r	Viscosity	No data available
s	Explosive properties	No data available
t	Oxidizing properties	No data available

**9.2 Other Safety Information** No data available

## Section 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical Stability</b>	Stable under recommended storage conditions
<b>10.3 Possibility of Hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	Heat, Flames and sparks
<b>10.5 Incompatible materials</b>	Bases, Oxidizing agents, Reducing agents
<b>10.6 Hazardous decomposition products</b>	No data available
<b>10.7 Further Information</b>	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

LD50-Oral-Rat	>5,000 mg/kg (OECD Test Guideline 401)
LC50-Inhalation	No data available
LD50-Dermal	No data available
LD50-Intramuscular	No data available

Skin corrosion/irritation	Rabbit Result: No skin irritation 24h (Directive 67/548/EEC, Annex V, B4)
Serious eye damage/eye irritation	Rabbit Result: Risk of serious eye damage to eyes (OECD Test Guideline 405)
Respiratory or skin sensitization	No data available
Germ Cell mutagenicity	No data available

#### Carcinogenicity

Mouse: Skin Tumorigenic: Neoplastic by RTECS criteria

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

ACGIH No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP	No component of this product, present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Teratogenicity	No data available
Specific target organ toxicity-single exposure (GHS)	No data available
Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available
Potential Health effects	No data available
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Synergistic effect	No data available
RTECS:	OE9800000

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Fish:** Semi-static test  
LC50 – *Oryzias latipes* (Orange-red killifish) 5 mg/l – 96h.  
(OECD Test Guideline 203)

**Daphnia and other Aquatic invertebrates** - Immobilization  
EC50- *Daphnia magna* (Water flea) 3.6 mg/l – 48h  
(OECD Test Guideline 202)

**Toxicity to Algae:** Growth inhibition  
EC50-*Selenastrum capricornutum* (green algae) >7.6 mg/l -72h

**Toxicity to Bacteria:** ICO – *Pseudomonas putida* - >1,000 mg/l – 30 min

### 12.2 Persistence and degradability

Biodegradability:  
Aerobic – exposure time 30 d  
Result: 86% Readily biodegradable  
(OECD Test Guideline 301D)

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required / not conducted

### 12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Disposal methods

Product: According to local regulations  
Packaging: According to local regulations

## Section 14: TRANSPORT INFORMATION

# Safety Data Sheet

<b>DOT (US)</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	Not dangerous goods

## Section 15: REGULATORY INFORMATION

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302		
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.		
SARA 311/312 Hazards	Acute health hazard		
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	Lauric acid	CAS# 143-07-7	Rev. Date:
New Jersey Right to Know components	Lauric acid	CAS# 143-07-7	Rev. Date:
California Prop. 65 components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.		

## Section 16: OTHER INFORMATION

### HMIS Rating

Health hazard	1
Chronic Health Hazard	
Flammability	0
Reactive Hazard	0

### Further Information

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

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