

# Safety Data Sheet



The Natural Choice for Flavor  
and Fragrance Ingredients

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>L-Menthyl Lactate, Natural</b>
Product Number	<b>0374800</b>
CAS-No.	59259-38-0

### 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 (OSHA HCS)	Not a hazardous substance or mixture
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### 2.2 GHS Label Elements, Including precautionary statements

None

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

None

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical characterization	Natural Product
Formula	C <sub>12</sub> H <sub>24</sub> O <sub>3</sub>
Molecular Weight	228.33 g/mol
CAS-No.	59259-38-0
EC-No.	261-678-3

#### Hazardous Components

Component	Classification	Concentration
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No ingredients are hazardous according to OSHA criteria

No components need to be disclosed according to the applicable regulations

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## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General Advice

Show this material safety data sheet to the doctor in attendance. Remove from exposure, lie down

#### Inhalation

Provide fresh air, keep at rest and at a comfortable position to breathe

#### Contact with skin:

Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water.

#### Contact with eyes:

Rinse thoroughly with plenty of water for at least 15 as a precaution.

#### Ingestion

DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 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

### 5.1 Extinguishing Media

#### Suitable Extinguishing Media

Use water spray, alcohol resistant foam, dry chemicals or carbon dioxide.

#### Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, Fire will produce dense black smoke containing combustion products (See section 10)

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus for firefighting if necessary. Emits toxic fumes under fire conditions

### 5.4 Further information

Standard procedures for chemical fires, Cool containers with water spray.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment

### 6.2 Environment precautions

Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.

### 6.3 Methods and materials for containment and clean up

Sweep up with shovel. Place in appropriate container and keep closed until disposal

### 6.4 Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

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## Section 7: HANDLING AND STORAGE

- |     |                               |   |
|-----|-------------------------------|---|
| 7.1 | Precautions for safe handling | Avoid inhalation of dust. Keep container closed when not in use.  |
| 7.2 | Conditions for Safe storage   | Keep container tightly closed in a dry and well-ventilated place. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation especially in confined spaces. |
| 7.3 | Specific End use(s)           | Flavorings  |

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |  |   |
|--|---|
| <b>8.1 Control parameters</b>                |   |
| Components with workplace control parameters | Contains no substance with workplace control parameters   |
| <b>8.2 Exposure Controls</b>                 |   |
| Appropriate Engineering Controls             | Handle in accordance with good industrial hygiene and safety practices. Mechanical exhaust required, Safety Shower and Eye Bath   |
| <b>Personal protective equipment</b>         | <b>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.</b>  |
| Eye/face protection                          | Wear appropriate tightly fitting safety goggles. Face shield (8-inch minimum) NIOSH tested and approved.  |
| Skin protection                              | Wear chemically resistant gloves of Nitrile rubber  |
| Body protection                              | Complete suite protecting against chemicals, made of flame retardant antistatic material should be 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                       | Respiratory protection not normally required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. 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   |

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- |  |  |
|--|--|
| <b>9.1 Information on basic physical and chemical properties</b> |  |
| a Appearance   | Colorless liquid to white, crystalline solid |
| b Color  | White  |
| c Odor   | Weak mint                                    |
| d Odor Threshold   | No data available                            |
| e pH   | 5  |
| f Melting Point /Freezing Point                                  | Melting Point 42-47°C                        |

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g	Boiling Point	267°C
h	Flash Point	>104°C Tag closed cup
i	Evaporation Rate	No data available
j	Flammability (Solid, Gas)	No data available
k	Upper/lower Flammability Limit	No data available
l	Vapor pressure	No data available
m	Vapor density	No data available
n	Specific Gravity @ 25°C:	0.9657 g/cm <sup>3</sup>
o	Solubility	Soluble in most organic solvents, slightly soluble in water
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	The substance or mixture is not classified as oxidizing
9.2	<b>Other Safety Information</b>	No data available

## Section 10: STABILITY AND REACTIVITY

10.1	<b>Reactivity</b>	No data available
10.2	<b>Chemical Stability</b>	Stable under recommended storage conditions
10.3	<b>Possibility of Hazardous reactions</b>	None reasonably foreseeable
10.4	<b>Conditions to avoid</b>	Heat, flame sparks
10.5	<b>Incompatible materials</b>	Strong oxidizing agents, strong bases
10.6	<b>Hazardous decomposition products</b>	No data available
10.7	<b>Further Information</b>	No data available

## Section 11: TOXICOLOGICAL INFORMATION

11.1	<b>Information on toxicological effects</b>	
	Acute Toxicity	No data available
	LD50-Oral-Rat	2,500 mg/kg
	LC50-Inhalation	No data available
	LD50-Dermal-Rabbit	>10,000 mg/kg
	Skin corrosion/irritation	Rabbit: Skin irritation 4h
	Serious eye damage/eye irritation	No data available
	Respiratory or skin sensitization	No data available
	Germ Cell mutagenicity	No data available
	Carcinogenicity	
	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.

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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 effects	No data available
RTECS:	No data available

## Section 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	
Fish	Danio rerio (zebra fish) 22 mg/l 96h
Daphnia and other aquatic invertebrates	Daphnia magna (water flea) < 287 mg/l 48h
<b>12.2 Persistence and degradability</b>	
Biodegradable	Aerobic 100% Readily biodegradable
<b>12.3 Bioaccumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required / not conducted
<b>12.6 Other adverse effects</b>	No data available

## Section 13: DISPOSAL CONSIDERATIONS

<b>13.1 Disposal methods</b>	
Product:	According to local regulations
Packaging	According to local regulations

## Section 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

## Section 15: REGULATORY INFORMATION

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Reach No.	A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage not require a registration or the registration is envisaged for a later registration deadline.		
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	No SARA hazards		
OSHA Hazards	No known OSHA hazards		
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	L-Menthyl lactate	CAS# 59259-38-0	Rev. Date:
New Jersey Right to Know components	L-Menthyl lactate	CAS# 59259-38-0	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 0  
 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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