

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiers

Product Name	<b>Oleic Acid, Natural</b>
Product Number	<b>0281500</b>
CAS-No.	112-80-1

### 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)*  
Skin irritation (Category 2), H315

### 2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

**Warning**

Hazard Statement(s)

H315 Causes skin irritation

Precautionary  
Statement(s)

P264 Wash skin thoroughly after handling  
P280 Wear protective gloves/eye protection/face protection  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P362 Take off contaminated clothing and wash before reuse.

### 2.3 HNOC (Hazards not otherwise classified or not covered by GHS) –None

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms	Elainic Acid Cis-9-Octadecenoic Acid
Formula	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>
Molecular Weight	282.46 g/mol
CAS-No	112-80-1
EC-No.	204-007-1

#### Hazardous Components

Component	Classification	Concentration
Oleic Acid	Skin irritation (Category 2), H315	

### Section 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

General advice	Consult 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 and contact a physician.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 as a precaution and 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

#### 5.1 Extinguishing Media

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

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

Carbon oxides

#### 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

Use water spray to cool unopened containers.

### Section 6: ACCIDENTIAL RELEASE MEASURES

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

#### 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

Contain spillage. Soak up with absorbent material. Sweep up with broom and shovel. 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 | <b>Precautions for safe handling</b> | Avoid contact with skin and eyes. Avoid Inhalation of vapor or mist. Normal measures for preventive fire protection. |
| 7.2 | <b>Conditions for Safe storage</b>   | Keep container tightly closed in a dry and well-ventilated place.                                                    |
| 7.3 | <b>Specific End use(s)</b>           | Flavorings                                                                                                           |

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values

### 8.2 Exposure Controls

Appropriate Engineering Controls    Avoid contact with skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practices.  
Wash hands immediately after handling the product; before breaks and at the end of the day.

#### 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 safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).                                                                                                                                                                                                                                                                |
| Skin protection                   | Wear chemically resistant, Nitrile rubber gloves, 0.4mm when handling this product.. 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                   | Impervious clothing protecting against chemicals, 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            | Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate governmental 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	Liquid Colorless to pale yellow liquid
b	Odor	Faint, Fatty odor
c	Odor Threshold	No data available
d	pH	No data available
e	Melting Point /Freezing Point	13-14oC
f	Boiling Point	340°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	1 hPa at 176oC
l	Vapor density	4.22 (Air = 1.0)
m	Relative density at 25oC	0.89 g/cm
n	Solubility	Soluble in most organic solvents; miscible with alcohol; insoluble in water
o	Partition coefficient: n-octanol/water	No data available
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

10.1	Reactivity	No data available
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of Hazardous reactions	No data available
10.4	Conditions to avoid	No data available
10.5	Incompatible materials	Strong oxidizing agents
10.6	Hazardous decomposition products	No data available
10.7	Further Information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

LD50-Oral-Rat	74,000 mg/kg
LC50-Inhalation	No data available
LD50-Dermal	No data available
LD50 Intravenous-Rat	2.4 mg/kg
	Remarks: Lungs, Thorax or Respiration; Acute pulmonary edema; other changes
LD50-Intraperitoneal-Mouse	282 mg/kg
LD-50 Intravenous – Mouse	230 mg/kg
	Remarks: Behavioral: Convulsions or effect on seizure threshold
Skin corrosion/irritation	Human: Skin irritation 3 d

Serious eye damage/eye irritation  
Respiratory or skin sensitization  
Germ Cell mutagenicity

Rabbit: Mild eye irritation  
No data available  
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.
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

Developmental Toxicity – Rat-Oral  
Effects on Embryo or Fetus: Fetal death. Specific Developmental Abnormalities: Musculoskeletal system. Urogenital System.

Developmental Toxicity – Rat-Oral  
Specific Developmental Abnormalities: Eye, ear, craniofacial (including nose and tongue). Effects on Newborn: Growth statistics (e.g. reduced weight gain).

Development Toxicity- Rat – Skin  
Specific Developmental Abnormalities: Musculoskeletal system

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

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:

Not available

## Section 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Fish: LC50: Pimephales promelas (fathead minnow) 205 mg/l - 96 h
<b>12.2 Persistence and degradability</b>	No data available
<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

### 13.1 Disposal methods

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

Reach No.	A registration number is not available for this substance as its uses are exempted from registration, the annual tonnage does 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	Acute health hazard		
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	Oleic Acid	CAS# 112-80-13	Rev. Date: 8/11/1989
New Jersey Right to Know components	Oleic Acid	CAS# 112-80-13	Rev. Date: 8/11/1989
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	2
Chronic Health Hazard	
Flammability	1
Physical Hazard	0

# Safety Data Sheet

## 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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