

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Caprylic Acid (Octanoic Acid), Natural
Product Number	0279900
CAS-No.	124-07-2

1.2 Product Recommended Use **Flavorings**

1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992- USA
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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 corrosion (Category 1B), H314 Serious Eye damage (Category 1), H318 Acute aquatic toxicity (Category 3), H402
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2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

DANGER

Hazard Statement(s)

H314	Causes severe skin burns and eye damage
H402	Harmful to aquatic life

Precautionary Statement(s)

P264	Wash skin thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do not induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P310 Immediately call a POISON CENTER or doctor/physician
- P405 Store locked up
- 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

Synonyms	Caprylic Acid
Formula	C ₈ H ₁₆ O ₂
Molecular Weight	144.21 g/mol
CAS-No	124-07-2
EC-No.	204-677-5

Hazardous Components

Component	Classification	Concentration
Octanoic acid	Skin corrosion (1B), H314 Serious Eye damage (1), H318 Acute aquatic toxicity (3), H402	-

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 minutes 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

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| 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 | No data available |

Section 6: ACCIDENTIAL RELEASE MEASURES

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| 6.1 | Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. Avoid breathing vapors. Mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |
| 6.2 | Environment precautions | Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. Discharge into the environment must be avoided. |
| 6.3 | Methods and materials for containment and clean up | Contain spillage. Soak up with inert absorbent material and dispose of as hazardous waste in a suitable, closed container and held 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

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|-----|--------------------------------------|---|
| 7.1 | Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge. |
| 7.2 | Conditions for Safe storage | Keep container tightly closed in a dry and well-ventilated place. Containers which have been opened must be carefully resealed and kept upright to prevent leakage. |
| 7.3 | Specific End use(s) | Flavorings |

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 | Control parameters
Contains no substances with occupational exposure limit values | |
| 8.2 | Exposure Controls | |
| | Appropriate Engineering Controls | Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday. |
| | Personal protective equipment | These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situations of anticipated use by our customers. They should not be construed as offering an approval or any |

specific use scenario.

Eye/face protection	Wear appropriate tightly fitting safety goggles. Face shield (8 inch min.) 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. (0.4 mm) 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 suit 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 (U) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full faced supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (U) 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	Colorless to pale yellow liquid
b	Odor	Slightly fatty, fruity
c	Odor Threshold	No data available
d	pH	3.5 at 0.5 g/l
e	Melting Point /Freezing Point	Melting point: 15-17°C
f	Boiling Point	237°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	13 hPa at 124°C 1 hPa at 78°C
l	Vapor density	1.98 (Air=1.0)

m	Relative density @25°C	0.905-0.915
n	Solubility	No data available
o	Partition coefficient: n-octanol/water	log Pow: 3.05 at 20°C
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 Surface tension: 28.6-28.7, N/m at 20°C

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	Heat, Flames and Sparks
10.5 Incompatible materials	Bases, Oxidizing agents, Reducing 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	10,080 mg/kg Remarks: Behavioral: Somnolence (general depressed activity) diarrhea
LC50-Inhalation	No data available
LD50-Dermal-Rabbit	>5,000 mg/kg
Skin corrosion/irritation	Rabbit: Causes burns 24 hr (OECD Test Guidelines 404)
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available

Germ Cell mutagenicity	No data available
Carcinogenicity	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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	Cough, Shortness of Breath, Headache, Nausea
Signs and Symptoms of Exposure	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.
Synergistic effects	No data available
RTECS:	RH0175000

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	<p><u>Toxic to Fish:</u> LC50-Static test: Lepomis macrochirus (Bluegill sunfish) 22 mg/l 96 hr</p> <p><u>Toxicity to algae:</u> EC50-Growth inhibition (Pseudokirchneriella subcapitata (green algae) – 31 mg/l 72 hr</p>
12.2 Persistence and degradability	Biodegradability – Exposure time 30 days Result: 90% - 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.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

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

Section 14: TRANSPORT INFORMATION

DOT (US)

UN Number: 3265 Class: 8 Packing Group III
Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Octanoic Acid)
Reportable Quantity (RQ): No
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN Number: 3265 Class: 8 Packing Group III EMS-No: F-A, S-B
Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Octanoic acid)
Marine Pollutant: No

IATA

UN Number: 3265 Class: 8 Packing Group III
Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Octanoic Acid)

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: Octanoic Acid CAS# 124-07-2 Rev. Date:

New Jersey Right to Know components: Octanoic Acid CAS# 124-07-2 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 3
 Chronic Health Hazard
 Flammability 1
 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.

Issued by:	Contact Person:
Aurochemicals	Deo N. Persaud
7 Nicoll Street	Revised Date: 03/04/2019
Washingtonville, NY 10992 USA	