

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name: **Hexanoic Acid (Caproic Acid), Natural**  
 Product Number: **0255900**  
 Recommended Use: **Flavorings**

Manufacturer: **Aurochemicals**  
 7 Nicoll Street  
 Washingtonville, NY 10992 – USA  
 845-496-6065  
 845-496-6248 Fax

Emergency Telephone No.: **1-800-535-5053**  
 (International 1-352-323-3500 collect)


## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Toxic by Inhalation, Harmful by ingestion, Toxic by skin absorption, Corrosive

Other Hazards which do not result in classification Stench, Rapidly absorbed through skin

GHS Classification  
 Acute toxicity, Oral (Category 4)  
 Acute toxicity, Dermal (Category 3)  
 Skin corrosion (Category 1B)  
 Serious eye damage (Category 1)  
 Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements  
 Pictogram



Signal Word: **DANGER**

Hazard Statement:  
 H302 Harmful if swallowed  
 H311+ Toxic in contact with skin or if inhaled  
 H331  
 H314 Causes severe skin burns and eye damage  
 H402 Harmful to aquatic life

Precautionary Statement  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P305+ IF IN EYES: Rinse cautiously with water for several minutes.  
 P351+ Remove contact lenses, if present and easy to do

Other Hazards	P338 Continue rinsing P310 Immediately call a POISON CENTER or physician Stench, Rapidly absorbed through skin
HMIS Classification	Health Hazard 3 Flammability 1 Physical Hazards 0
Potential Health Effects	Inhalation Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract Skin Toxic if absorbed through skin. Causes skin burns Eyes Causes eye burns Ingestion Harmful if swallowed

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Hexanoic Acid
Chemical Name	Hexanoic Acid
Common Name:	Hexanoic Acid
Synonyms:	Caproic Acid; Acid C-6
CAS #	142-62-1
EC#	205-550-7
Molecular Weight	116.16 g/mol
Molecular Formula	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>

### Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with plenty of mild soap and warm water. Take victim immediately to hospital. Consult a physician.
Inhalation:	Provide fresh air, Consult a physician.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Wash contaminated clothing before re-use.

### Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Not flammable or combustible
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special protective equipment for firefighters	Wear self contained breathing apparatus for firefighting if necessary

Other Information    Hazardous decomposition products formed under fire conditions – Carbon oxides..

## Section 6:      ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Procedures for cleaning / absorption	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable closed containers for disposal.
Ventilate area	After sweep up, wash area and ventilate area well

## Section 7:      HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## Section 8:      EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values.
Personal Protective Equipment:	<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>
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 respirators are appropriate the respirator should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Eye Protection:	Wear appropriate face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand Protection:	Wear chemically resistant Nitrile rubber gloves and wash and dry hands after handling this product.

Industrial Hygiene: Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless to pale yellow, oily liquid, may have a tinge of pink color
Odor:	Heavy, acrid-acid, fatty rancid, pungent
Boiling Point:	205°C
Flashpoint:	102°C
Melting Point/Freezing Point:	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.923-0.933
Solubility:	Soluble in water (1mL in 250mL water), alcohol, most fixed oils and ether alcohol, ether and most oils
Solubility in Organic Solvents:	No data available

## Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Bases, Oxidizing agents, Reducing agents, Allyl Alcohol
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	1,900 mg/kg
LD50, Oral Mouse:	4,100 mg/kg 2h
LC50 Inhalation Mouse	4,100 mg/m <sup>3</sup>
LD50 Dermal - Rabbit	584 mg/kg
Further toxicological information	No data available
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	Rabbit: Severe eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

### Carcinogenicity

IARC	No component of this product, present at 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 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
Specific target organ toxicity-Single Exposure (GHS)		No data available
Specific target organ toxicity-Repeated Exposure (GHS)		No data available
Aspiration hazard		No data available
Potential health effects	Inhalation	Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
	Ingestion	Harmful if swallowed
	Skin	Toxic if absorbed through skin. Causes skin burns
	Eyes	Causes eye burns
Synergistic effects		No data available
Signs and Symptoms of Exposure		Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Cough, shortness of breath, headache, nausea
RTECS		MO5250000

## Section 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50- Pimephales promelas (fathead minnow) 88 mg/l-96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 – Daphnia magna (Water flea) 22 mg/l – 24 h
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

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

## Section 14: TRANSPORT INFORMATION

<b>DOT (US)</b>	UN 2829 Class 8	Packing Group III	
Proper shipping name	Caproic Acid		
Reportable Quantity (RQ)	No		
Marine Pollutant	No		
Poison inhalation hazard	No		
<b>IMDG</b>	UN 2829 Class 8	Packing Group III	EMS-No: F-A, S-B
Proper shipping name	CAPROIC ACID		
Marine Pollutant	No		
<b>IATA</b>	UN 2829 Class 8	Packing Group III	
Proper shipping name	Caproic Acid		

## Section 15: REGULATORY INFORMATION

OSHA Hazards	Toxic by inhalation, harmful by ingestion, Toxic by skin absorption, corrosive		
SARA 302	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	Hexanoic Acid	CAS # 142-62-1	Rev. Date: 4/24/1993
Pennsylvania Right to Know Components	Hexanoic Acid	CAS # 142-62-1	Rev. Date: 4/24/1993
New Jersey Right to Know Components	Hexanoic Acid	CAS # 142-62-1	Rev. Date: 4/24/1993
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

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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