

HEALTH 2
FLAMMABILITY 2
REACTIVITY 0

Section 1: IDENTIFICATION

Product Name: **Ethyl Hexanoate (Ethyl Caproate), Natural**
 Product Number: **0243900**
 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: Combustible Liquid, Irritant
 GHS Classification: Flammable Liquids (Category 3)
 Skin irritation (Category 2)
 Eye irritation (Category 2A)
 Specific target organ toxicity-single exposure (Category 3)

Signal Word: **Warning**

Pictogram or written description: 

Hazard Statement: H226 Flammable liquid and vapor.
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

Precautionary Statement: P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
 P305+ IF IN EYES: Rinse cautiously with water several minutes
 P351+ Remove contact lenses if present and easy to do
 P338 Continue rinsing

HMIS Classification: Health Hazard 2
 Flammability 2
 Physical Hazards 0

Potential Health Effects:
 Inhalation May be harmful if inhaled. May cause respiratory tract irritation
 Skin May be harmful if absorbed through skin. May cause skin irritation
 Eyes Causes eye irritation
 Ingestion May be harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Chemical Name	Ethyl Hexanoate
Common Name:	Ethyl Hexanoate
Synonyms:	Ethyl Caproate, Caproic Acid ethyl ester
CAS #	123-66-0
Molecular Formula	C ₈ H ₁₆ O ₂
Molecular Weight	144.21 g/mol

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 mild soap and warm water. 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:	Remove contaminated clothing and wash before reuse.

Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable Extinguishing Media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Wear rubber boots and heavy rubber gloves. Prevent fire-fighting water from entering surface or ground water Cool unopened containers with water spray from a safe distance. Contain escaping vapors with water.
Special Risks	Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware
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of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas .

Environmental precautions

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

Procedures for cleaning / absorption

Take up with liquid absorbent material. Place in appropriate container and keep closed until disposal.

Ventilate area

After clean up, wash spill area and ventilate the area well.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Take precautionary measures against static discharges. Keep away from sources of ignition. When using do not eat or drink.

Conditions for safe storage

Keep container tightly closed, in dry and well ventilated place. Keep away from source of ignition – no smoking

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Contains no substances with occupational exposure limit values.

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.

Body Protection:

Protective, impervious and flame retardant, antistatic clothing 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 respirator cartridges as a back up to engineering controls. When the respirator is the sole means of protection, use a full face supplied air respirator.

Eye Protection:

Face shield and safety glasses are required.

Hand Protection:

Wear chemically resistant gloves when handling this product.

Industrial Hygiene:

Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:

Liquid

Color:

Colorless

Odor:

Characteristic

Safety Data Sheet

Boiling Point:	165°C
Flashpoint:	49°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:	0.867-0.871
Solubility	Soluble in most fixed oils; slightly soluble in propylene glycol; insoluble in glycerin; 1:2 in 70% alcohol

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat, flames and sparks
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products formed under fire conditions	Carbon oxides,
Other decomposition products	No data available

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral	No data available
LC50 Inhalation	No data available
LD50 Dermal	No data available
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin-Rabbit- Skin irritation 24 h Remarks: Moderate skin irritation
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 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 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.
Specific target organ toxicity-single exposure (GHS)	Inhalation: May cause respiratory irritation
Specific target organ toxicity-repeated exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation May be harmful if inhaled. Causes respiratory tract irritation

Ingestion May be harmful if swallowed.
 Skin May be harmful if absorbed through the skin. Causes skin irritation
 Eyes Causes eye irritation

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: MO7735000

Section 12: ECOLOGICAL INFORMATION

Toxicity No data available
 Persistence and degradability No data available
 Bioaccumulative potential No data available
 Mobility in soil No data available
 PBT and vPvB assessment No data available
 Other adverse effects No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US) UN-no. / Name UN3272, Class 3 Packing Group III
 Proper shipping Name: Esters, n.o.s.
 Reportable Quantity (RQ):
 Marine Pollutant No
 Poison Inhalation Hazard No

IMDG-Classification UN3272, Class 3 Packing Group III EMS-No: F-E, S-D
 Proper Shipping Name Esters, n.o.s. (Ethyl Hexanoate)
 Marine Pollutant No

IATA-Classification UN3272, Class 3 Packing Group III
 Proper Shipping Name Esters, n.o.s. (Ethyl Hexanoate)

Section 15: REGULATORY INFORMATION

OSHA Hazards Combustible Liquid, Irritant

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.

Safety Data Sheet

SARA 311/ 312 Hazards

Fire Hazard, Acute Health Hazard

Massachusetts Right to Know Components

Ethyl Hexanoate CAS # 123-66-0

Revision Date: 4/24/1993

Pennsylvania Right to Know Components

Ethyl Hexanoate CAS # 123-66-0

Revision Date: 4/24/1993

New Jersey Right to Know Components

Ethyl Hexanoate CAS # 123-66-0

Revision 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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