

Safety Data Sheet

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Ethyl Isovalerate, Natural**
 Product Number: **0246300**
 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**

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards **Flammable Liquid**
 GHS Classification **Flammable liquids (Category 3)**
Skin irritation (Category 3)

GHS Label elements, including precautionary statements

Pictogram or written description:



Warning

Signal Word: **Warning**

Hazard Statement(s):
 H226 Flammable liquid and vapor
 H316 Causes mild skin irritation

Precautionary Statement(s):
 P210 Keep away from heat/sparks/open flames/hot surfaces-No Smoking
 P233 Keep container tightly closed
 P240 Ground/bond container and receiving equipment
 P241 Use explosion proof electrical/ventilating/lighting/equipment
 P242 Use only non-sparking tools
 P243 Take precautionary measures against static discharge
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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	May cause eye irritation
Ingestion	May be harmful if swallowed

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Ethyl Isovalerate
Common Name:	Ethyl Isovalerate Natural
Synonyms:	Isovaleric Acid Ethyl Ester
CAS #	108-64-5
EC#	203-602-3
Molecular Formula	C ₇ H ₁₄ O ₂

Hazardous components

Component	Classification	Concentration
Ethyl Isovalerate	Flammable Liquid Flammable liquids (Category 3) Skin irritation (Category 3)	

Section 4: FIRST AID MEASURES

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Flush eyes with water as a precaution.
Contact with skin:	Rinse off skin with cool water, 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. Consult a physician.
Clothing:	Remove contaminated clothing and shoe, wash before re-use

Section 5: FIREFIGHTING MEASURES

Conditions of flammability	Flammable in the presence of a source of ignition when 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 (Co ₂)
Special Protective Equipment for Firefighters	Do not stay in danger zone without self-contained breathing apparatus
Hazardous combustion products	Formed under fire conditions – Carbon Oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware 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 let product enter drains.
Absorb spills:	Use absorbent to pick up spills, dispose of in appropriate container.
Ventilate area:	Ventilate and clean area after sweep up is completed

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Section 7: HANDLING AND STORAGE

Precautions for Safe Handling

Avoid inhalation of vapors or mist. Keep away from sources of ignition-No Smoking. Take measures to prevent the buildup of electrostatic charge.

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

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.

Respiratory protection

Where risk assessment shows air purifying respirators are appropriate, use a full face respirator with multi-purpose cartridges as a back up to Engineering Controls.

Hand Protection

Wear chemical resistant gloves of Nitrile Rubber when handling this product.

Eye Protection

Face shield and Safety Glasses.

Skin and Body Protection

Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Strong fruity, vinous, apple-like on dilution
Boiling Point:	135°C
Flashpoint:	35°C
Melting Point:	-99°C
Specific Gravity @ 25°C:	0.860 – 0.865
Solubility	Slightly soluble in alcohol and most oils, soluble in propylene glycol

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixture with air
Conditions to avoid	Heat, flames and sparks
Hazardous decomposition products:	Formed under fire conditions-Carbon Oxides

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral, Rat:	7,031 mg/kg
LD50, Dermal	No information available

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LD50, Inhalation	No information available
Skin corrosion/irritation	Skin-Rabbit Mild irritation -24 h
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	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.

Reproductive toxicity	No data available
Teratogenicity	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 Hazards

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
Ingestion	May be harmful if swallowed
Skin	May be harmful if absorbed through skin. May cause skin irritation
Eyes	May cause 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 # NY1504000

Section 12: ECOLOGICAL INFORMATION

Data not yet available:
Further ecological data: Do not allow to enter water, drain or soil

Section 13: DISPOSAL CONSIDERATIONS

Product: According to official local regulations
Packing: According to official local regulations

Section 14: TRANSPORT INFORMATION

DOT (US) UN-3272 Class 3 Packing Group III
Proper shipping name Esters, n.o.s.

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Reportable Quantity (RQ)	No	
Marine Pollutant	No	
Poison Inhalation Hazard	No	
IMDG	UN-3272 Class 3	Packing Group III EMS-No, F-E, S-D
Proper shipping name	ESTERS, N.O.S. (Ethyl Isovalerate)	
Marine Pollutant	No	
IATA	UN-3272 Class 3	Packing Group III
Proper shipping name	Esters, n.o.s. (Ethyl Isovalerate)	

Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable Liquid
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	Fire Hazard
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components	Ethyl Isovalerate CAS# 108-64-5 Rev. Date:
New Jersey Right to Know Components	Ethyl Isovalerate CAS# 108-64-5 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 productive harm.

Section 16 OTHER INFORMATION

HMIS Classification	Health Hazard 0
	Flammability 3
	Physical Hazard 0

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: 8/10/2022
Washingtonville, NY 10992 USA	