

HEALTH	0
FLAMMABILITY	3
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Ethyl-2-Methyl Butyrate, US ,Natural**
 Product Number: **0244300NAT -R**
 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: Flammable Liquid

GHS Classification: Flammable Liquids (Category 3)

Signal Word: Warning

Pictogram or written description: 

Hazard Statement: H226 Flammable liquid and vapor.

Precautionary Statement: 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/face shield/eye protection
 P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with soap and water.
 P370+P378 IN CASE OF FIRE: Use dry sand, dry chemical or alcohol resistant foam for extinction.
 P403+P235 Store in a well ventilated place.
 P501 Dispose of contents/container to an approved waste disposal plant

HMIS Classification: Health Hazard 0
 Chronic Health Hazard *

Potential Health Effects	Flammability 3 Physical Hazards 0
	May cause respiratory tract irritation May be harmful in contact with skin. May cause skin irritation (May) cause eye irritation May be harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Chemical Name	Ethyl 2 Methylbutyrate
CAS #	7452-79-1
EC#	231-225-4
Molecular Formula	C ₇ H ₁₄ O ₂
Molecular Weight	130.18 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 Liquid.
Suitable Extinguishing Media	For small (incipient) fires, use media such as "alcohol" foam, dry chemicals, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
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	Highly Flammable. Vapors heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	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

Handling:	Take precautionary measures against static discharges. Avoid inhalation of vapor or mist. Keep away from sources of ignition. When using do not eat or drink.
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:	<p>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.</p> <p>Protective 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.</p>
Respiratory Protection:	Required when vapors / aerosols are generated.
Eye Protection:	Wear appropriate eye and face protection – Face Shield.
Hand Protection:	Wear chemically resistant gloves.
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, mobile
Color:	Colorless
Odor:	Powerful diffusive, green-fatty, pungent odor, reminiscent of apple peels
Boiling Point:	133°C -lit
Flashpoint:	26°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:	0.863-0.870
Solubility in Water:	Very soluble
Solubility in Organic Solvents:	Soluble
Evaporation rate	No data available

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 be avoided	Heat, flames, sparks,
Substances to be avoided	Strong oxidizing agents, Strong Bases
Hazardous decomposition products:	Fumes formed under fire conditions – carbon monoxide, carbon dioxide

Section 11: TOXICOLOGICAL INFORMATION

Toxicity	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)	No data available
Specific target organ toxicity-repeated exposure (GHS)	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.
Additional information	RTECS: Not available

Section 12: ECOLOGICAL INFORMATION

Ecological data No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	UN3272 Class 3 Packing Group III
Proper shipping name:	Esters, n.o.s.
Marine Pollutant	No
Poison inhalation	No
IMDG-Classification	UN3272 Class 3 Packing Group III
Proper shipping name	ESTERS, N.O.S. (Ethyl 2 Methylbutyrate) EMS No: F-E, S-D
Marine Pollutant	No
IATA-Classification	UN3272 Class 3 Packing Group III
Proper shipping name:	ESTERS, N.O.S. (Ethyl 2 Methylbutyrate) EMS No: F-E, S-D

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 311/3123 Hazards	Fire Hazards
Massachusetts Right to know Components	No components subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know components	Ethyl 2-methylbutyrate CAS No. 7452-79-1 Revision Date:
New Jersey Right to Know components	Ethyl 2-methylbutyrate CAS No. 7452-79-1 Revision 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

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

Safety Data Sheet



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Issued by:	Contact Person:
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