


Safety Data Sheet

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **2-Methyl-2-Pentenoic Acid, Natural**
 Product Number: **0319500**
 Recommended Use: Flavorings
 Manufacturer: Aurochemicals
 7 Nicoll Street
 Washingtonville, NY 10992 USA
 Emergency Telephone No.: 1-800-535-5053
 (International 1-352-323-3500 collect)

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Corrosive
 GHS Classification Skin corrosion (Category 1B)
 Serious eye damage (Category 1)
 Target Organ Hazards Respiratory System, Eyes, Skin
 Pictogram 

Signal Word: **Danger**
 Hazard Statement: H314 Causes severe skin burns and eye damage
 Precautionary Statement: 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.
 P338 Continue rinsing
 P310 Immediately call a POISON CENTER or physician

HMIS Classification Health Hazard 3
 Flammability 1
 Physical Hazards 0

Potential Health Effects
 Inhalation May be harmful if inhaled. Material is extremely destructive to the tissues of the mucous membranes and upper respiratory tract
 Skin May be harmful if absorbed through skin. Causes skin burns
 Eyes Causes eye burns
 Ingestion May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component (E) 2-Methylpent-2-en-1-oic acid
 Chemical Name 3-Ethyl-2Methylacrylic acid

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Common Name:	2-Methyl-2-Pentenoic Acid
Synonyms:	trans 2-Methyl-2-pentenoic acid
CAS #	3142-72-1
EC#	241-026-4
Molecular Weight	114.14 g/mol
Molecular Formula	C ₆ H ₁₀ O ₂

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. Continue rinsing eyes during transport to hospital
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. If conscious and alert, rinse mouth and drink 2-4 glasses of milk or water, seek medical advice immediately, show this container or label to attending physician
Clothing contamination:	Wash contaminated clothing before re-use

Section 5: FIREFIGHTING MEASURES

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.
Hazardous combustion products	Formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas, avoid breathing dust.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Procedures for cleaning / absorption	Pick up and arrange disposal without creating dust. Sweep up and shovel and place in container for disposal according to local regulations.
Ventilate area	After sweep up, wash area and ventilate area well

Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values
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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:

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator as a backup to engineering controls. If the respirator is the sole means of protection use a full face supplied air respirator.

Eye Protection:

Wear appropriate eye and face protection. 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 butyl-rubber and or Nitrile rubber gloves

Industrial Hygiene:

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

Form:	Solid
Color:	Colorless to pale yellow
Odor:	Fruity
Boiling Point:	123-125°C (30mmHg)-lit
Flashpoint:	108°C
Melting Point/Freezing Point:	26-28°C (79-82°F) - lit
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:	0.978-0.985
Solubility :	Slightly soluble in water, soluble in chloroform, carbon disulfide, ether and ethanol.

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	Strong oxidizing agent, Strong bases, Strong acids
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	No data available
LD50 Oral	No data available
LD50 Dermal	No data available

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Further toxicological information
Skin corrosion / irritation
Serious eye damage / eye irritation
Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity

May be harmful if inhaled, swallowed, or absorbed through skin
No data available
No data available
No data available
Mutagenic effects have occurred in experimental animals.

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
Specific target organ toxicity-Single Exposure (GHS)
Specific target organ toxicity-Repeated Exposure (GHS)
Aspiration hazard
Potential health effects

No data available
No data available
No data available
No data available
Inhalation May be harmful if inhaled. Material is extremely destructive to the tissues of the mucous membranes and upper respiratory tract
Ingestion May be harmful if swallowed
Skin May be harmful if absorbed through skin. Causes skin burns.
Eyes Causes eye burns

Signs and Symptoms of Exposure
Synergistic effects
RTECS

Cough, Shortness of breath, Headache, Nausea, Vomiting
No data available
Not available

Section 12: ECOLOGICAL INFORMATION

Toxicity No data available
Further ecological data Do not allow to enter water, drain or soil

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)
Proper Shipping Name UN 3261 Class 8 Packing Group III
Corrosive Liquid, Acidic, Organic n.o.s.
((E) -2-Methylpent-2-en-1-oic acid)
Marine Pollutant No
Poison Inhalation Hazard No
IMDG
Proper Shipping Name UN 3261 Class 8 Packing Group III EMS-No. F-A, S-B
CORROSIVE LIQUID, ACIDIC, ORGANIC n.o.s.
((E) -2-Methylpent-2-en-1-oic acid)
Marine Pollutant No
IATA
UN 3261 Class 8 Packing Group III

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Proper Shipping Name

Corrosive Liquid, Acidic, Organic n.o.s.
(E) -2-Methylpent-2-en-1-oic acid

Section 15: REGULATORY INFORMATION

OSHA Hazards	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	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components	(E) -2-Methylpent-2-en-1-oic acid CAS # 16957-70-3 Rev. Date:
New Jersey Right to Know Components	(E) -2-Methylpent-2-en-1-oic acid CAS # 16957-70-3 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

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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