

# Safety Data Sheet

HEALTH 3  
FLAMMABILITY 2  
REACTIVITY 0

## Section 1: IDENTIFICATION

Product Name: **2-Methyl Butyric Acid, EU , Natural**  
Product Number: **0269500NAT -C**  
Recommended Use: Flavorings  
Manufacturer: Aurochemicals  
7 Nicoll Street  
Washingtonville, NY 10992  
Emergency Telephone No.: 1-800-535-5053

## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards Combustible Liquid, Harmful by ingestion, Harmful by skin absorption, Corrosive  
Other hazards which do not result in Stench  
classification  
GHS Classification

Flammable Liquids (Category 4)  
Acute toxicity, Oral (Category 4)  
Acute toxicity, Dermal (Category 4)  
Skin corrosion (Category 1B)  
Serious eye damage (Category 1)

GHS Label Elements, Including precautionary  
statements  
Pictogram or written description



Signal Word:  
Hazard Statement

Danger

Precautionary Statement

H227 Combustible liquid  
H302+ Harmful if swallowed or  
H312 In contact with skin  
H314 Causes severe skin burns and eye damage  
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 doctor/physician

HMIS Classification

Health Hazard 3  
Flammability 2  
Physical hazard 0

Potential Health Effects

Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the  
mucous membranes and upper respiratory tract.  
Skin Harmful if absorbed through skin. Causes skin burns

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Eyes Causes eye burns  
Ingestion Harmful if swallowed,

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Substances:

Component	2 Methylbutyric acid
Common Name:	
Synonyms:	
CAS #	116-53-0
EC#	204-145-2
EC-Index-No.:	N/A
Molecular Formula	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>

## Section 4: FIRST AID MEASURES

General Advice	Consult physician. Show this safety data sheet to doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult physician. Continue rinsing during transport to hospital.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water and 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 and show this container or label to physician
Clothing:	Wash clothing and shoes before re-use

## Section 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	For small (incipient) fires, used media such as alcohol foam, dry chemical or carbon dioxide. For large fires, apply water from as far away 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
Unusual fire and explosions hazards	Hazardous decomposition products formed under fire conditions-Carbon oxides.
Further Information	Use water spray to cool unopened containers.

## 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. Evacuate personnel to safe areas. 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:	With absorbent, dispose of in appropriate container
Ventilate area	After sweep up, clean affected area

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## Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor 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

Contains no substances with occupational exposure limit values

**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 respirator cartridges as a back up to engineering controls.
Hand protection	When handling this product, chemically resistant Nitrile Rubber gloves should be worn.
Eye Protection	Tight fitting safety glasses, face shield (8" min)
Skin and body protection	Full suit protecting against chemicals. This 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

Appearance:	Colorless liquid
Odor:	Pungent, Acrid odor, Stench
Boiling Point:	176°C
Flashpoint:	74°C
Melting Point:	N/A
Explosive Properties:	No information available
Lower Explosion Limit	1.2 Vol%
Upper Explosion Limit	5.7 Vol%
Ignition Temperature	420°C
Oxidizing properties:	Not oxidizing, Not Flammable
Vapor Pressure:	(20°C) 1 hPa
Specific Gravity @ 25°C:	0.932 – 0.939
Solubility in Water:	1mL is soluble in 1 ml 90% alcohol
Solubility in Organic Solvents:	Soluble

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## 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	Bases, Oxidizing Agents, Reducing Agents
Hazardous decomposition products	Formed under fire conditions – Carbon oxides

## Section 11: TOXICOLOGICAL INFORMATION

LD50 Oral, Rat	1,750 mg/kg
	Remarks: Gastrointestinal: Changes in structure or function of salivary glands. Diarrhea other changes.
LD50 Dermal, Rabbit	1,367 mg/kg
	Remarks: Sense Organs and Special Senses (Nose, Eye, Ear and taste)
LD50 Inhalation	Olfaction: Other changes Behavioral Ataxia. Gastrointestinal: Other changes
Other information on acute toxicity	No information available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	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
Potential health effects	
	Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
	Ingestion Harmful if swallowed
	Skin Harmful if absorbed through skin. Causes skin burns.
	Eyes Causes eye burns
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.
Synergistic effects	No data available
RTECS	EK7897000

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## Section 12 : ECOLOGICAL INFORMATION

### Toxicity

No information available

Do not allow to enter water, drain or soil.

## Section 13: DISPOSAL CONSIDERATIONS

### Product:

According to official local regulations

### Packaging:

According to official local regulations

## Section 14: TRANSPORT INFORMATION

### DOT (US)

Proper shipping name

UN3265 Class 8 Packing Group III.

Marine Pollutant

Corrosive Liquid, Acidic, Organic n.o.s (2-Methylbutyric acid)

Poison Inhalation Hazard

No

No

### IMDG

Proper shipping name

UN3265 Class 8 Packing Group III.

EMS-No. F-A, S-B

Marine Pollutant

CORROSIVE LIQIOD, ACIDIC, ORGANIC N.O.S. (2-Methylbutyric acid\_

No

### IATA

Proper shipping name

UN3265 Class 8 Packing Group III.

Corrosive Liquid, Acidic, Organic n.o.s (2-Methylbutyric acid)

## Section 15: REGULATORY INFORMATION

### OSHA Hazards

Combustible Liquid, Harmful by ingestion, Harmful by skin absorption, Corrosive

### 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

Fire hazard, Acute health hazard

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act

### Pennsylvania Right To Know Components

2-Methylbutyric Acid CAS# 116-53-0

Rev. Date:

### New Jersey Right To Know Components

2-Methylbutyric Acid CAS# 116-53-0

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

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the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

<b>Issued by:</b>	<b>Contact Person:</b>
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