

# Safety Data Sheet

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name: **Methyl Isobutyrate, Natural**  
 Product Number: **0269400**  
 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, Irritant**

GHS Classification **Flammable Liquids (Category 2) H225**  
**Acute toxicity, Inhalation (Category 4) H332)**

GHS Label elements, including precautionary  
statements  
Pictogram



Signal Word:  
Hazard Statement:

**DANGER**

H225 **Highly Flammable liquid and vapor**  
 H332 **Harmful if inhaled**

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**  
 P261 **Avoid breathing dust/fume/gas/mist/vapors/spray**  
 P271 **Use only outdoors or in a well-ventilated area**  
 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**  
 P304+P340 **IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing**  
 P312 **Call a POISON CENTER or doctor/physician if you feel unwell.**

# Safety Data Sheet

HMIS Classification	P403+P235	Store in well-ventilated place. Keep cool
	P501	Dispose of contents/container to an approved waste disposal plant
Potential Health Effects	Health Hazard	1
	Flammability	3
	Physical Hazards	0
	Inhalation	May be harmful if inhaled. Causes respiratory tract irritation
	Skin	May be harmful if absorbed through skin. Causes skin irritation
Hazards not otherwise classified (HNOC) or not covered by GHS	Eyes	Causes eye irritation
	Ingestion	May be harmful if swallowed
	None	

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances	
Molecular Formula	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>
Molecular Weight	102.13 g/mol
CAS-No:	547-63-7
EC – No.:	208-929-5

### Hazardous Component

Component	Classification	Concentration
Methyl Isobutyrate	Flammable Liquid- 2 H225; Acute Toxicity- 4 H332	-

## 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 as a precaution.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with plenty of 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:	Wash contaminated clothing before re-use.

## Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable liquid
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters	Wear self contained breathing apparatus for firefighting if necessary.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides. Use water spray to cool unopened containers.

# Safety Data Sheet

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Procedures for cleaning / absorption	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
Ventilate area	After sweep up, wash area and ventilate area well.

## Section 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosive proof equipment. 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

Exposure Limits:	Contains no substances with occupational exposure limit values.
Personal Protective Equipment:	<b>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.</b>
Body Protection:	Complete suit protecting against chemicals 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 respirators are appropriate the respirator should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Eye Protection:	Wear appropriate face shield and safety glasses. 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 Nitrile rubber gloves and wash and dry hands after handling this product.
Industrial Hygiene:	Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

# Safety Data Sheet

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Fruity (apple-pineapple) odor
Boiling Point:	90°C
Flashpoint:	4°C
Melting 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:	0.884-0.888
Solubility	1:1 in 95% alcohol

## 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/sparks. Extremes of temperature and direct sunlight
Materials to avoid	Bases, Oxidizing agents, Acids
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

LD50, Inhalation: mouse 25,500 mg/kg

LD50 Dermal	No data available
Further toxicological information	No data available
Skin corrosion / irritation	No data available
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 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
Specific target organ toxicity-Single Exposure (GHS)	No data available

# Safety Data Sheet

Specific target organ toxicity-Repeated Exposure (GHS)	No data available
Aspiration hazard	No data available
Synergistic effects	No data available
RTECS	NQ5425000

## Section 12: ECOLOGICAL INFORMATION

Toxicity	
Persistence and degradability:	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

<b>DOT (US)</b>	UN 1237	Class 3	Packing Group II	
Proper shipping name	Methyl butyrate			
Reportable Quantity (RQ)	No			
Marine Pollutant	No			
Poison inhalation hazard	No			
<b>IMDG</b>	UN 1237	Class 3	Packing Group II	F-E, S-D
Proper shipping name	Methyl butyrate			
Marine Pollutant	No			
<b>IATA</b>	UN 1237	Class 3	Packing Group II	
Proper shipping name	Methyl butyrate			

## Section 15: REGULATORY INFORMATION

OSHA Hazards	Irritant
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	Fire Hazard
Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components	Methyl Isobutyrate CAS # 547-63-7 Rev. Date:
New Jersey Right to Know Components	Methyl Isobutyrate CAS # 547-63-7 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

# Safety Data Sheet

**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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