

# Safety Data Sheet

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

## Section 1: IDENTIFICATION


Product Name: **Methyl Butyrate, Natural**  
 Product Number: **0269300**  
 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)  
 Acute toxicity, Inhalation (Category 4)  
 Acute toxicity, Dermal (Category 5)  
 Skin irritation (Category 2)  
 Eye irritation (Category 2A)  
 Specific target organ toxicity-single exposure (Category 3)

Pictogram or written description: 

Signal Word: **Danger**

Hazard Statement:

H225	Highly Flammable liquid and vapor.
H313	May be harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

Precautionary Statement:

P210	Keep away from heat/sparks/open flames/hot surfaces- No smoking
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P305+	IF IN EYES: Rinse cautiously with water for several minutes
P351+	Remove contact lenses if present and easy to do so.
P338	Continue rinsing.

Other hazards: Repeated exposure may cause skin dryness or cracking.

HMIS Classification:

Health Hazard	2
Flammability	3
Physical Hazards	0

Potential Health Effects:

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation

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Eyes Causes eye irritation  
Ingestion May be harmful if swallowed

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Substances:

Component	Methyl Butyrate, Butanoic acid methyl ester
Common Name:	Methyl Butyrate
CAS #	623-42-7
EC#	210-792-1
Formula	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>
Molecular Weight	102.13 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, 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 in the presence of a source of ignition when the 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.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Prevent fire-fighting water from entering surface or ground water. Cool unopened containers with water spray from a safe distance.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. 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-protected measures	Prevent further leakage or spillage if safe to do so. 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

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion proof equipment. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.
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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 substance with occupational exposure limits
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 made of impervious, flame retardant and anti-static material 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:	Required when vapors / aerosols are generated.
Eye Protection:	Wear tightly fitting safety goggles. Wear appropriate eye and face protection.
Hand Protection:	Wear chemically resistant gloves of Nitrile rubber.
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
Color:	Colorless
Odor:	Apple like odor
Boiling Point:	103°C
Flashpoint:	14°C
Melting Point:	No data available
Ignition temperature:	No data available
Lower Explosion Limit:	0.9% Vol
Upper Explosion Limit:	3.5% Vol
Vapor Pressure:	53.3 hPa (40.0 mmHg) at 30°C (86°F)
Specific Gravity @ 25°C:	0.892-0.897
Solubility:	Insoluble in water; soluble in most organic solvent
Relative vapor density:	No data available
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 avoid	Heat, Flames and Sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Strong oxidizing agents, strong bases
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides
Further information	No data available

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## Section 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

LD50, Oral - Rat	>5,000 mg/kg
LC50 Inhalation-Mouse	18,000 mg/m <sup>3</sup> 2.0 h
LD50 Dermal - Rabbit	3,560 mg/kg
Other information on acute toxicity:	No data available
Skin corrosion/irritation	Skin-Rabbit- Skin irritation 24-h
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 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) **Inhalation- May cause respiratory irritation.**

Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available
Potential Health effects	

Inhalation	May be harmful if inhaled. Causes tract irritation.
Ingestion	May be harmful if swallowed
Skin	May be harmful if absorbed through skin. Causes skin irritation
Eyes	Causes 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:	ET5500000

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

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PBT and vPvB assessment  
Other adverse effects

No data available  
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)	
Marine pollutant	No
Poison Inhalation Hazard	No
<b>IMDG</b>	UN 1237 Class 3 Packing Group II EMS-No.: 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	Flammable liquid, Irritant
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, Acute Health Hazard
Massachusetts Right to Know components	Methyl Butyrate CAS#623-42-7 Rev. Date: 3/1/2007
Pennsylvania Right to Know components	Methyl Butyrate CAS#623-42-7 Rev. Date: 3/1/2007
New Jersey Right to Know components	Methyl Butyrate CAS#623-42-7 Rev. Date: 3/1/2007
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,

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