

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Isoamyl Butyrate, Natural**
 Product Number: **0206000**
 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 Hazard: **Combustible Liquid, Irritant**
 GHS Classification: **Flammable liquids (Category 3)**
Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity-Single Exposure (Category 3)

GHS Label Elements, including precautionary statement

Pictogram or written description: 

Signal Word: **Warning**

Hazard Statement(s):
 H226 Flammable liquid and vapor
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

Precautionary Statement(s):
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
 P210 Keep away from heat/sparks/open flame/hot surfaces-No Smoking.
 P243 Take precautionary measures against static discharge.
 P43+P233 Store in a well ventilated place. Keep container tightly closed.

HMIS Classification:
 Health Hazard 2
 Flammability 2
 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
Eyes	Causes eye irritation
Ingestion	May be harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	3-Methylbutyl butyrate
Common Name:	Isoamyl butyrate
Synonyms:	Isopentyl butyrate
CAS #	106-27-4
EC#	203-380-8
Molecular Formula	C ₉ H ₁₈ O ₂

Section 4: FIRST AID MEASURES

General Advice	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. Consult a physician.
Clothing contamination:	Wash contaminated clothing before re-use

Section 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media	For small (incipient) fires, use 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 protective equipment for Firefighters Hazardous combustion products	Do not stay in danger zone without self contained breathing apparatus Formed under fire conditions- Carbon oxides.
Other Information	Cool container with water spray from a safe distance. Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or ground water. Keep away from sources of ignition.

Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. Do not inhale vapors, mist, or gas. Beware of vapors accumulating to form explosive concentrations; Vapors can accumulate in low areas. Ensure supply of fresh air in enclosed rooms
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Wear respirator, safety glasses, chemical resistant gloves

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
Ventilate area

With absorbent, sweep up and discard in container, set out for disposal.
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. Take precautionary measures against static discharges. Keep away from source of ignition. When using do not eat or drink.

Conditions for safe storage

Store tightly closed, in well ventilated place – no smoking

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Contains no substances with occupational exposure limit values.

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:

Impervious and flame retardant antistatic 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.

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.

Eye Protection:

Wear 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 clothing before reuse. Wash hands after working with product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Strong characteristic Fruity odor
Boiling Point:	179°C
Flashpoint:	58°C
Melting Point:	N/a
Ignition temperature	190°C
Lower Explosion Limit	No information available
Upper Explosion Limit	No information available

Safety Data Sheet

Vapor Pressure:	1.1 hPa
Specific Gravity @ 20°C:	0.860-0.870
Solubility	Soluble in alcohol; insoluble in glycerin, propylene glycol and water

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
Hazardous decomposition products:	Formed under fire conditions – carbon monoxide, carbon dioxide
Further information	No information available

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	> 5000 mg/kg
LC50 Inhalation Rat	No information available
LD50 Dermal Rabbit	>5000 mg/kg
Skin corrosion/irritation	Rabbit
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	<p>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.</p> <p>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.</p> <p>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.</p> <p>OSHA No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen by OSHA.</p>
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 hazard	No data available
Potential health effects	<p>Inhalation May be harmful if inhaled. Causes respiratory tract irritation</p> <p>Ingestion May be harmful if swallowed</p>

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 ET5034000

Section 12: ECOLOGICAL INFORMATION

Ecotoxic effects No information available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US) UN 2620 Class 3 Packing Group III
Proper shipping name Esters, n.o.s.
Marine pollutant No
Poison Inhalation Hazard No

IMDG UN 2620 Class 3 Packing Group III EMS-No: F-E,S-D
Proper shipping name ESTERS, N.O.S. (3-methylbutyl butyrate)
Marine pollutant No

IATA UN 2620 Class 3 Packing Group III
Proper shipping name Esters, n.o.s. (3-methylbutyl butyrate)

Section 15: REGULATORY INFORMATION

OSHA Hazards Combustible Liquid, Irritant

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 312 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 Hazard 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 3-Methylbutyl butyrate CAS# 106-27-4 Rev. Date:

New Jersey Right to Know Components 3-Methylbutyl butyrate CAS# 106-27-4 Rev. Date:

Safety Data Sheet

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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