

Safety Data Sheet

HEALTH	0
FLAMMABILITY	3
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Isobutyl Acetate, Natural**
 Product Number: **0217500**
 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**
 GHS Classification: **Flammable Liquids (Category 2)**

Signal Word: **DANGER**

Pictogram or written description: 

Hazard Statement: **H225** Highly Flammable liquid and vapor.
H303 May be harmful if swallowed.

Precautionary Statement: **P210** Keep away from heat/sparks/open

Other Hazards: **Repeated exposure may cause skin dryness or cracking**
 HMIS Classification: **Health Hazard 0**
Flammability 3
Physical Hazards 0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation..
Skin	May be harmful if absorbed through skin. May cause skin irritation
Eyes	May cause eye irritation
Ingestion	May be harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Component	Isobutyl Acetate
Common Name:	Isobutyl Acetate

Safety Data Sheet

Synonyms:	Acetic acid isobutyl ester
CAS #	110-19-0
EC#	203-745-1
Index No.	607-026-00-7
Formula	C ₆ H ₁₂ O ₂
Molecular Weight	116.16 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:	Flush with water as a precaution.
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.

Safety Data Sheet

Section 7: HANDLING AND STORAGE

Precautions for safe handling

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.

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:			Components with workplace control parameters	
Components	CAS-No.	Value	Control Parameters	Basis
Isobutyl Acetate	110-19-0	TWA	150 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks: Eye and Upper Respiratory Tract irritation				
		TWA	150 ppm 700 mg/m ³	USA OSHA-Table Z-1 Limits for Air Contaminants-1910.1000
		TWA	150 ppm 700 mg/m ³	USA Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants
The value in mg/m ³ is approximate				
		TWA	150 ppm 700 mg/m ³	USA. NIOSH Recommended Exposure Limits

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 clothing of flame retardant and anti-static materials 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 appropriate eye and face protection – Face Shield.

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

Appearance:

Clear, Colorless, mobile liquid, conforms to standards

Odor:

Fruity (currant-pear) Floral (hyacinth-rose) odor

Boiling Point:

116°C

Safety Data Sheet

Flashpoint:	15.6°C
Melting Point/Freezing Point:	No data available
Ignition temperature	423°C
Lower Explosion Limit	1.3% Vol.
Upper Explosion Limit	10.5% Vol.
Vapor Pressure:	20 hPa (15mmHg) at 20°C
Specific Gravity @ 25°C:	0.862- 0.871
Solubility in Organic Solvents:	Soluble in alcohol, fixed oils and propylene glycol; 1mL of 180mL of water
Relative vapor density	4.01-(Air-1.0)

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

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	
LD50, Oral - Rat	13,400 mg/kg
LC50 Inhalation	No data available
LD50 Dermal Rabbit	>17,400 mg/kg
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin-Rabbit-Open irritation test
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)	No data available
Specific target organ toxicity-repeated exposures (GHS)	No data available
Aspiration Hazards	No data available

Potential Health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
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Safety Data Sheet

Ingestion May be harmful if swallowed
 Skin May be harmful if absorbed through skin. May cause skin irritation
 Eyes May cause 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: AI4025000

Section 12: ECOLOGICAL INFORMATION

Toxicity To Fish:
 LC50-Leuciscus idus melanotus – 101 mg/l-48h
 LC0- Leuciscus idus melanotus – 70 mg/l-48h
 To Daphnia and other aquatic invertebrates:
 LC50-Daphnia magna (Water Flea) – 250 mg/l-24h
 Other adverse effects No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US) UN 1213 Class 3 Packing Group II
 Proper shipping name Isobutyl Acetate
 Reportable Quantity (RQ) 5000 lbs
 Marine pollutant No
 Poison Inhalation Hazard No
IMDG-Classification UN 1213 Class 3 Packing Group II EMS-No.: F-E, S,D
 Proper shipping name ISOBUTYL ACETATE
 Marine pollutant No
IATA-Classification UN 1213 Class 3 Packing Group II
 Proper shipping name Isobutyl Acetate

Section 15: REGULATORY INFORMATION

OSHA Hazards Flammable liquid
 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.

Safety Data Sheet



SARA 311/312 Hazards

Fire Hazard

Massachusetts Right to Know components

Isobutyl Acetate

CAS# 110-19-0 Rev. Date: 4/24/1993

Pennsylvania Right to Know components

Isobutyl Acetate

CAS# 110-19-0 Rev. Date: 4/24/1993

New Jersey Right to Know components

Isobutyl Acetate

CAS# 110-19-0 Rev. Date: 4/24/1993

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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