

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Isoamyl Acetate, Natural**
 Product Number: **0205500**
 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, Target Organ Effect, Irritant
 Target Organs: Central nervous system
 GHS Classification: Flammable Liquid (Category 3)
 Skin Irritant (Category 2)
 Specific target organ toxicity- single exposure (Category 3)
 Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary
Statement



Signal Word:
Hazard Statement(s)

WARNING

H226 Flammable liquid and vapor
 H315 Causes skin irritation
 H335 May cause respiratory irritation
 H402 Harmful to aquatic life

Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapor or spray
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P310 Immediately call a POISON CENTER or doctor/physician

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

Substances:

Chemical Name	Isoamyl Acetate
Common Name:	Isoamyl Acetate
Synonyms:	Isopentyl Acetate, Acetic acid 3-methylbutyl ester
CAS #	123-92-2
EC#	204-662-3
Molecular Formula	C ₇ H ₁₄ O ₂
Molecular Weight	130.18 g/mol

Section 5: FIREFIGHTING 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.
Contact with skin:	Rinse with cool water; wash with mild soap and warm water. Seek medical advice.
Inhalation:	Provide fresh air, consult a physician.
Ingestion:	Do NOT induce vomiting. Rinse mouth with water, seek medical advice.
Clothing:	Remove contaminated clothing and wash before re-use.
Extinguishing Media	Water spray, Carbon Dioxide, alcohol resistant foam, powder.
Special Firefighting Procedures:	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flames/ hot surfaces. No Smoking. Do not stay in danger zone without self contained breathing apparatus. Prevent fire-fighting water from entering surface or ground water. Use water spray to cool unopened containers.
Hazardous Combustion products	Development of hazardous combustion gases or vapors possible in the event of fire – Carbon oxides

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. Discharge into the environment must be avoided.

Methods and materials for containment and clean up

Contain spillage, and then sweep up and place in container for disposal according to local regulations

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
Normal measures for preventive fire protection

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

Components with workplace control parameters				
Components	CAS-No.	Value	Control Parameters	Basis
Isoamyl Acetate	123-92-2	TWA	100 ppm 525 mg/m ³	USA. OSHA-Table Z-1 Limits for air contaminants – 1910.100
			Value in mg/m ³ is approximate	
		TWA	50 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	100 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	100 ppm 525 mg/m ³	USA. NIOSH Recommended Exposure Limits
			Value in mg/m ³ is approximate	

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.

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:

Appropriate when vapors are generated – Full Face.

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. Wash hands after working with product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:

Liquid

Color:

Colorless

Odor:

Like fruit - Banana

Boiling Point:

145°C

Safety Data Sheet

Flashpoint:	36°C
Melting Point:	No data available
Ignition temperature	355°C
Lower Explosion Limit	1. % (V)
Auto ignition Temperature	360°C
Upper Explosion Limit	7.5% (V)
Relative vapor density	4.5
Vapor Pressure:	7.5 pHa (5.6mmHg) at 25°C
Specific Gravity @ 25°C (77°F)	0.868-0.878
Solubility	1:3 in 60% alcohol; slightly soluble in water; miscible in ether, ethyl acetate and most fixed oils

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Vapors may form explosive mixtures with air
Conditions to be avoided	Heat, flames and sparks
Substances to be avoided	Oxidizing agents, Strong acids and strong bases, Reducing agents
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions. Carbon Oxides.

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rabbit	7,422 mg/kg
LC50 Inhalation	No data available
LD50 Dermal Rabbit	>5,000 gm/kg
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Genotoxicity in vitro –Ames test-S. typhimurium-negative
Carcinogenicity	
IARC	No components 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 components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or possible carcinogen by ACGIH.
NTP	No components 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 components 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	Inhalation (vapor) may cause respiratory irritation (mucous membranes)
Specific target organ toxicity – repeated exposures - GHS	No data available
Aspiration hazard	No data available
Potential Health Effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation

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	Contact with eyes can cause: Redness, Blurred vision, Provoke tears, sore throat, abdominal pain, Nausea, Vomiting, dizziness, drowsiness, cough, chest pain, difficulty in breathing.
RTECS#:	NS9800000

Section 12: ECOLOGICAL INFORMATION

Toxicity to fish	
LC50- Leuciscus idus (Golden orfe)	36-131 mg/l – 48 h
LC100-Leuciscus idus (Golden orfe)	148 mg/l – 48 h
Toxicity to daphnia and other aquatic invertebrates	
EC50 – Daphnia magna (water flea)	42 mg/l -48 h
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	UN 1104 Class 3 Packing Group III Proper shipping name: Amyl Acetate Reportable Quantity (RQ) 5000 lbs Marine Pollutant: No
IMDG	UN 1104 Class 3 Packing Group III EMS-No: F-E, S-D Proper shipping name: Amyl Acetate Marine Pollutant: No
IATA	UN 1104 Class 3 Packing Group III Proper shipping name: Amyl Acetate

Section 15: REGULATORY INFORMATION

OSHA Hazards:	Flammable liquid, Target Organ Effect, 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, Chronic Health Hazard
Massachusetts Right To Know Components	Isoamyl Acetate CAS# 123-92-3 Rev. Date 4-24-1993

Safety Data Sheet

Pennsylvania Right To Know Components Isoamyl Acetate CAS# 123-92-3 Rev. Date 4-24-1993

New Jersey Right To Know Components Isoamyl Acetate CAS# 123-92-3 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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