

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Isoamyl Isovalerate, Natural**
 Product Number: 0208500
 CAS #: 659-70-1

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 Combustible Liquid, Irritant

GHS Classification Flammable Liquid (Category 4)
 Skin Irritation (Category 2)
 Eye Irritation (Category 2A)
 Specific target organ toxicity-Single Exposure (Category 3)

GHS Label elements, including precautionary statements

Pictogram 

Signal Word: **Warning**

Hazard Statement(s): H227 Combustible Liquid
 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+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses
 P351+ if present and easy to do.
 P338 Continue rinsing

HMIS Classification Health Hazard
 Flammability 2
 Physical 2
 Hazards 0

Safety Data Sheet

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

Formula	C ₁₀ H ₂₀ O ₂
Molecular Weight	172.26 g/mol
CAS #	659-70-1
EC#	211-536-1

Component	Concentration	
3-Methylbutyl Isovalerate	CAS #: 659-70-1	-
	EC #: 211-536-1	-

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, consult a physician.
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 and 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 as possible. Use very large quantities of water (flooding) 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	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.

Section 6: ACCIDENTIAL 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 concentration. Vapors can accumulate in low areas.
Environmental-protected measures Procedures for cleaning / absorption	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Contain spillage. 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. Keep away from sources of ignition – No smoking. Take measures to prevent the buildup of electrostatic charges.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Keep away from light. 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:	<p>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.</p> <p>Clothing 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</p>
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate use a full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respiratory cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection:	Wear appropriate safety glasses with side shields. 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 rubber gloves and use proper glove removal techniques to avoid skin contact with this product. Wash and dry hands after handling this product.
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product and at the end of the work day.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Fruity
Melting Point	No data available
Boiling Point:	192°C
Flashpoint:	83°C
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available

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Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.851-0.863
Solubility	Soluble in most organic solvents, Insoluble in 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
Materials to avoid	Strong Oxidizing Agents,
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions- Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral-Rabbit	13,956 mg/kg
LC50 Inhalation	No data available
LD50 Dermal	No data available
Further toxicological information	No data available
Skin corrosion / irritation	Rabbit
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 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
Specific target organ toxicity-Single Exposure (GHS)	Inhalation – May cause respiratory irritation
Specific target organ toxicity-Repeated Exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation May be harmful if inhaled. Causes respiratory tract irritation Ingestion May be harmful if swallowed Skin May be harmful if absorbed through skin. Causes skin irritation Eyes Causes eye irritation

Synergistic effects	No data available
RTECS	NY1508000
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Section 12: ECOLOGICAL INFORMATION

Toxicity	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

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15: REGULATORY INFORMATION

OSHA Hazards	Combustible Liquid, 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, 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 Isovalerate CAS # 659-70-1 Rev. Date:
New Jersey Right to Know Components	3-Methylbutyl Isovalerate CAS # 659-70-1 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.

Issued by:		Contact Person:
Aurochemicals		Deo N. Persaud
7 Nicoll Street		Revised Date: 8/13/2022
Washingtonville, NY 10992 USA		