

HEALTH	0
FLAMMABILITY	3
REACTIVITY	0


## Section 1: IDENTIFICATION

Product Name: **Methyl Isovalerate, Natural**  
 Product Number: **0275300**  
 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.
Precautionary Statement	P210 Keep away from heat/sparks/open flames/hot surfaces- No smoking
	P233 Keep container tightly closed
	P240 Ground/bond container and receiving equipment
	P241 Use explosion proof electrical/ventilating/lighting/equipment
	P242 Use only non sparking tools
	P243 Take precautionary measures against static discharge
	P280 Wear protective gloves/protective clothing/eye protection/face protection
	P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
	P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
	P403+P235 Store in a well ventilated place. Keep cool.
P501 Dispose of contents/container to an approved waste disposal plant.	
Other hazards (HNOC)	<b>Repeated exposure may cause skin dryness or cracking.</b>
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

Component	Methyl Isovalerate
Common Name:	Methyl Isovalerate
Synonyms:	Isovaleric acid methyl ester
CAS #	556-24-1
EC#	209-117-3
Formula	C <sub>8</sub> H <sub>12</sub> O <sub>2</sub>
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 eyes 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

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 (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 Firefighting Procedures:	Wear self contained breathing apparatus for firefighting if necessary.
Other Information	Hazardous decomposition products formed under fire conditions Nature of decomposition products not known. Use water spray to cool unopened containers.

## Section 6: ACCIDENTIAL 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.
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Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system.
Methods and materials for containment and cleaning up	Contain spillage, and then collect using absorbent material and place in container for disposal according to local regulations.
Ventilate area	After clean up, wash spill area and ventilate the area well.

## 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	Store in cool place. 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

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:	Impervious, flame retardant and anti-static 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:	Required when vapors / aerosols are generated.
Eye Protection:	Wear tightly fitting safety goggles, Face shield – 8 “ min. 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:	Pungent, ethereal, fruity, apple like odor
Boiling Point:	115-117°C
Flashpoint:	15°C
Melting Point	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available

# Safety Data Sheet

Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.850-0.880
Solubility:	Slightly soluble in water; soluble in propylene glycol, miscible with alcohol and oils
Partition coefficient: n-octanol/water	No data available
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	No data available
Hazardous decomposition products:	Fumes formed under fire conditions - Nature of decomposition products not known
Further information	No data available

## Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	
LD50, Oral	No data available
LC50 Inhalation	No data available
LD50 Dermal	No data available
Other information on acute toxicity:	No data available
Skin corrosion/irritation	No data available
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 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

## Synergistic effects

No data available

## RTECS:

NY1510000

## 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
PBT and vPvB assessment	No data available

## Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13: DISPOSAL CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

<b>DOT (US)</b>	UN 2400 Class 3 Packing Group II
Proper shipping name	Methyl Isovalerate
Reportable Quantity (RQ)	
Marine pollutant	No
Poison Inhalation Hazard	No
<b>IMDG</b>	UN 2400 Class 3 Packing Group II EMS-No.: F-E, S,D
Proper shipping name	METHYL ISOVALERATE
Marine pollutant	No
<b>IATA</b>	UN 2400 Class 3 Packing Group II
Proper shipping name	Methyl Isovalerate

## 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

# Safety Data Sheet

exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard

Massachusetts Right to Know components

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know components

Methyl Isovalerate CAS#556-24-1 Rev. Date: 3/1/2007

New Jersey Right to Know components

Methyl Isovalerate CAS#556-24-1 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, 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	8/16/2022
Washingtonville, NY 10992 USA	