

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Methyl Heptanoate, Natural**
 Product Number: **0270500**
 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 liquids (Category 3)
 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: H226 Flammable liquid and vapor
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

Precautionary Statement: P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P305+ IF IN EYES: Rinse cautiously with water for several minutes
 P351+ Remove contact lenses if present and easy to do
 P338 Continue rinsing

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	Methyl Heptanoate
Chemical Name	Heptanoic acid methyl ester
Common Name:	Methyl Heptanoate
Synonyms:	Methyl enanthate
CAS #	106-73-0
EC#	203-428-8
Molecular Weight	144.21 g/mol
Molecular Formula	C ₈ H ₁₆ O ₂

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 and seek medical advice.
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, 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:	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 (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 Other Information	Wear self contained breathing apparatus for firefighting if necessary Hazardous decomposition products formed under fire conditions – Carbon oxides. Use water spray to cool unopened containers

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. 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-protected measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Procedures for cleaning / absorption

Contain spillage and 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 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

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.

Impervious, 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 respirators are appropriate the respirator should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. Use respirators and components tested and approved under appropriate government standards such as NIOSH.

Eye Protection:

Wear appropriate face shield and safety glasses. 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 Nitrile rubber gloves and wash and dry hands after handling this product.

Industrial Hygiene:

Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odor:	Fruity, orris-like
Boiling Point:	173°C
Flashpoint:	57°C
Melting Point	No data available
Ignition temperature	No data available

Safety Data Sheet

Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.877-0.887
Solubility	Soluble in most organic solvents

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, strong bases
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	>5,000 mg/kg
LC50 Inhalation	No data available
LD50 Dermal - Rabbit	>5,000 mg/kg
Further toxicological information	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 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 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)	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

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	MJ2297500

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) UN 3272 Class 3 Packing Group III
Proper shipping name Esters, n.o.s.
Reportable Quantity (RQ) No
Marine Pollutant No
Poison inhalation hazard No

IMDG UN 3272 Class 3 Packing Group III EMS-No. F-E, S-D
Proper shipping name ESTERS, N.O.S. (Methyl Heptanoate)
Marine Pollutant No

IATA UN 3272 Class 3 Packing Group III
Proper shipping name Esters, n.o.s.

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 Methyl heptanoate CAS # 106-73-0 Rev. Date:

New Jersey Right to Know Components Methyl heptanoate CAS # 106-73-0 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.

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