


**HEALTH** 3  
**FLAMMABILITY** 1  
**REACTIVITY** 0

## Section 1: IDENTIFICATION

Product Name: **Thiomenthone (p-Mentha-8-Thiol-3-one), Natural**  
 Product Number: **0317700**  
 Recommended Use: **Flavorings**  
 Manufacturer: **Aurochemicals, 7 Nicoll Street, Washingtonville, NY 10992**  
 Emergency Telephone No.: **1-800-535-5053 (International 1-352-323-3500 collect)**

## Section 2: HAZARD(S) IDENTIFICATION

OSHA Hazards	Toxic by ingestion
Other Hazards which do not result in classification	Stench
GHS Classification	Acute toxicity, Oral (Category 3), H301 Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410
Pictogram or written description	
Signal Word:	<b>DANGER</b>
Hazard Statement:	H301 Toxic if swallowed H410 Very toxic to aquatic life with long lasting effect
Precautionary Statement	P264 Wash skin thoroughly after handling P270 Do not eat, drink or smoke when using this product P273 Avoid release into the environment P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P305+P351 IF IN EYES: Rinse cautiously with water for several minutes, Specific treatment (see supplemental first aid instructions on this label). P321 Rinse mouth P330 Collect spillage P391 Store locked up P405 Dispose of contents/container in approved waste disposal plant
HMIS Classification	Health Hazard 2 Flammability 1 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 Toxic if swallowed

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one
Common Name:	p-mentha-8-Thiol-3-one
Synonyms:	8-Mercaptomenthone
CAS #	38462-22-5
EC#	253-953-1
Formula	C <sub>10</sub> H <sub>18</sub> OS
Molecular Weight	186.31 g/mol

## Hazardous components

Component	Classification	Concentration
2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one	Acute Tox. 3; Aquatic Acute 1; Aquatic Chronic 1; H301, H410	<= 100%

## 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 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	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, Sulphur oxides

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation
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	Soak 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

## Section 7: HANDLING AND STORAGE

Precautions for safe handling  
Conditions for safe storage

Avoid inhalation of vapor or mist. Normal measures for preventive fire protection  
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.**

Respiratory protection:

Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multi-purpose combination respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full face air supplied air respirator.

Eye Protection:

Wear appropriate tightly fitting safety glasses. Face shield (8-inch minimum) NIOSH tested and approved.

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous
Color:	Pale yellow to yellow
Odor:	Sulfur Mint
Boiling Point:	~120°C
Flashpoint:	~108°C
Melting Point	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	Mm Hg @20°C: <0.001
Specific Gravity @ 25°C:	0.995-1.010
Solubility	Insoluble in water, soluble in alcohol

## Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides, Sulphur oxides

Further information

No data available

## Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
Germ cell mutagenicity	No data available
<b>Carcinogenicity</b>	
	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.
	Ingestion Toxic 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:	Not available

## Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
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## Section 13: DISPOSAL CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

<b>DOT (US)</b>	UN 2810 Class 6.1 Packing Group III
Proper shipping name	Toxic, liquid, organic, n.o.s. (2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one)
Reportable Quantity (RQ)	No
Marine pollutant	No

# Safety Data Sheet



Poison Inhalation Hazard

No

**IMDG**Proper shipping name  
Marine pollutantUN 2810 Class 6.1 Packing Group III EMS-No.: F-A S-A  
TOXIC, LIQUID, ORGANIC, N.O.S. (2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one)  
No**IATA**

Proper shipping name

UN 2810 Class 6.1 Packing Group III  
Toxic, liquid, organic, n.o.s. (2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one)

## Section 15: REGULATORY INFORMATION

OSHA Hazards

Toxic by ingestion

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

Acute Health Hazard

Massachusetts Right to Know components

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know components

2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one CAS# 38462-22-5 Rev.  
Date:

New Jersey Right to Know components

2-(1-Mercapto-1-methylethyl)-5-methylcyclohexan-1-one CAS# 38462-22-5 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.

## 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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