

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Alpha Terpinene, Natural**
 Product Number: **0355800**
 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, Target Organ Effect, Harmful by ingestion, Irritant**
 Target Organs: **Liver, Blood**
 GHS Classification: **Flammable Liquids (Category 3)**
Acute toxicity, (Category 4)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity-single exposure (Category 3)
Acute aquatic toxicity (Category 2)
Chronic aquatic toxicity, (Category 2)

Pictogram or written description



Signal Word:

Warning

Hazard Statements:

H226	Flammable Liquid and Vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P273	Avoid release to the environment
P305+P351	IF IN EYES: Rinse cautiously with water for several minutes.
+P338	Remove contact lenses if present and easy to do so.

Precautionary Statements:

HMIS Classification	Health Hazard 2
	Chronic Health Hazard *
	Flammability 2
	Physical Hazards 0

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation
Skin	Harmful if absorbed through skin. Causes skin irritation
Eyes	Causes eye irritation
Ingestion	Harmful if swallowed

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	1, 3- Cyclohexadiene, 1-methyl-4-1(1-methylethyl)-
Common Name:	Alpha Terpinene
Synonyms:	p-Mentha-1,3-diene
CAS #	99-86-5
EC#	202-795-1
Molecular Formula	C ₁₀ H ₁₆
Molecular Weight	136.23 g/mol

Section 4: FIRST AID 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 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 clothing thoroughly before reuse.

Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface.
Suitable Extinguishing Media	Use water spray, Carbon Dioxide, alcohol resistant foam, dry chemical
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 container with water spray from a safe distance. Contain escaping vapors with water.
Special Risks	Under fire conditions, material may decompose to form flammable and/or explosive mixtures in air. Use water spray to cool unopened containers.

Other Information

Hazardous decomposition products formed under fire conditions – Carbon oxides.

Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure supply of fresh air in enclosed rooms, remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Do not allow to enter drains or sewage system. Discharge into the environment must be avoided.
Procedures for cleaning / absorption	Take 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

Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Take precautionary measures against static discharges. Keep away from sources of ignition. When using do not eat or drink.
Storage:	Keep container tightly closed, in 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

Contains no substances with occupational exposure limits

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.

Personal Protective Equipment:	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 Flame retardant antistatic protective clothing.
Respiratory Protection:	Required when vapors / aerosols are generated
Eye Protection:	Wear appropriate eye and face protection – Face Shield
Hand Protection:	Wear chemically resistant gloves (Nitrile)
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

Appearance:	Colorless, oily liquid
Odor:	Refreshing lemon - citrus
Boiling Point:	173-175°C
Flashpoint:	N/A
Melting Point/Freezing Point:	N/A
Ignition temperature	N/A
Oxidizing Properties:	Not oxidizing; Flammable
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	0.833-0.845
Solubility in Water:	No data available
Partition coefficient: n-octanol/water	Soluble in most organic solvents

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Conditions to be avoided	Heat/flames/sparks
Substances to be avoided	Strong acids, Strong bases
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	LD50, Oral Rat 1,680 mg/kg LC50 Inhalation Rat No information available
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 component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH NTP 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 NTP OSHA 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 OSHA.
Reproductive Toxicity	Oral-Rat: Maternal Effects, other effects, effects on fertility; Female fertility index (e.g.# females pregnant per # sperm positive females; #females pregnant per #females mated). Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
Teratogenicity	No information available
Specific Target Organ Toxicity – Single Exposure (GHS)	Inhalation – may cause respiratory irritation
Specific Target Organ Toxicity- Repeated exposure (GHS)	No information available

Aspiration Hazard	No information available
Potential Health Effects	Inhalation: May be harmful if inhaled. Causes respiratory tract irritation Ingestion: Harmful if swallowed Skin: Harmful if absorbed through skin. Causes skin irritation Eyes: Causes eye irritation
Signs and Symptoms of Exposure	Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2-4 hours or longer. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
RTECS:	OS8060000

Section 12: ECOLOGICAL INFORMATION

Ecological data	Do not allow to enter water, drain or soil. Toxic to aquatic Life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal
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Section 13: DISPOSAL CONSIDERATIONS

Product:	Combustible and dispose of according to local regulations
Packaging:	According to local regulations

Section 14: TRANSPORT INFORMATION

UN-no. / Name	UN 2319 Class 3 Packing Group III Terpene hydrocarbons n.o.s. Reportable Quantity (RQ) No Marine pollutant: No Poison Inhalation Hazard: No
IMDG-Classification	UN 2319 Class 3 Packing Group III Terpene hydrocarbons n.o.s. F-E, S-D Marine pollutant: No
IATA-Classification	UN 2319 Class 3 Packing Group III Terpene hydrocarbons n.o.s.

Section 15: REGULATORY INFORMATION

OSHA Hazards	Combustible Liquid, Target Organ Effect, Harmful by ingestion, 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
Pennsylvania Right to Know Components	p-Mentha-1,3-diene CAS# 99-86-5 Rev. Date:

Safety Data Sheet

New Jersey Right to Know Components

p-Mentha-1,3-diene

CAS# 99-86-5

Rev. Date:

California Prop. 65 Components

This product does not contain any chemicals known to the 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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