

HEALTH 2
FLAMMABILITY 2
REACTIVITY 0

Section 1: IDENTIFICATION

Product Name: **Gamma Terpinene, Natural**
Product Number: **0355900**

Recommended Use: Flavorings


Manufacturer: Aurochemicals
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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) H226
Acute toxicity, Oral (Category 5) H303
Skin irritation, (Category 2) H315
Eye irritation, (Category 2A) H319
Specific target organ toxicity-single exposure (Category 3) H335

Pictogram or written description



Signal Word: **WARNING**

Hazard Statement: H226 Flammable liquid and vapor
H303 May be harmful if swallowed
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

Substances:

Safety Data Sheet

Chemical Name	γ -Terpinene
Common Name:	Gamma Terpinene
Synonyms:	1-Isopropyl-4-methyl-1, 4-cyclohexadiene p-Mentha-1, 4-diene
CAS #	99-85-4
EC#	202-794-6
Molecular Formula	C ₁₀ H ₁₆
Molecular Weight	136.23 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:	Rinse thoroughly with water for at least 15 minutes and consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Take victim immediately to hospital. 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 files, apply water from as far away 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:	Do not stay in danger zone without self contained breathing apparatus Wear rubber boots and heavy rubber gloves Prevent fire-fighting water from entering surface or ground water Cool unopened containers with water spray from a safe distance. Contain escaping vapors with water.
Hazardous combustion products	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures Procedures for cleaning / absorption	Do not allow to enter drains or sewage system. Discharge into the environment must be avoided. 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. Keep away from sources of ignition-No smoking. Take measures to prevent the buildup of electrostatic charge.
Storage:	Keep container tightly closed, in cool, dry and well ventilated place. Keep away from source of ignition – no smoking.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values.
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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.
Body Protection:	Clothing of impervious, flame retardant antistatic material 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 appropriate eye and face protection – Face Shield.
Hand Protection:	Wear chemically resistant gloves.
Industrial Hygiene:	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Clear liquid
Color:	Colorless
Odor:	Lemon Like Odor
Boiling Point:	182°C -lit
Flashpoint:	50°C closed cup
Melting Point	No data available
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	0.9 hPa (0.7mmHg) at 20°C
Specific Gravity @ 25°C:	0.845-0.860
Solubility	Insoluble in water; Soluble in alcohol and oils
Relative vapor density	4.7 - (air=1.0)

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. Other decomposition products-no data available

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral LD50 rat-	3,650 mg/kg
Inhalation LC50	No data available
Dermal LD50	No data available
Other information on acute toxicity	No data available
Skin corrosion/irritation	Skin-rabbit- skin irritation 24 h
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

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 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: OS8070000

Section 12: ECOLOGICAL INFORMATION

Toxicity No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

PBT and vPvB assessment No data available

Other adverse effect No data available

Section 13: DISPOSAL CONSIDERATIONS

Product: According to local regulations

Packaging: According to local regulations

Section 14: TRANSPORT INFORMATION

DOT (US) UN-no. UN2319 Class 3 Packing Group III

Proper shipping name Terpene hydrocarbons, n.o.s.

Reportable Quantity (RQ)

Marine Pollutant No

Poison inhalation hazard No

IMDG-Classification UN2319 Class 3 Packing Group III EMS-No: F-E, S-D

Proper shipping name Terpene hydrocarbons, n.o.s.

Marine Pollutant No

IATA-Classification UN2319 Class 3 Packing Group III

Proper shipping name Terpene hydrocarbons, n.o.s.

Section 15: REGULATORY INFORMATION

OSHA Hazards	Combustible liquid, 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		
Massachusetts Right to Know components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know components	p-Mentha-1, 4-diene	CAS# 99-85-4	Rev. Date:
New Jersey Right to Know components	p-Mentha-1, 4-diene	CAS# 99-85-4	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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