

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Terpinolene
Product code	AI-TERPI
CAS #	586-62-9
UN/ID #	2541
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Flammable liquids - Category 4 - H227
Acute toxicity, oral - Category 5 - H303
Aspiration hazard - Category 1 - H304
Skin corrosion/irritation - Category 3 - H316
Sensitisation, Skin - Category 1 - H317
Hazardous to the aquatic environment, acute hazard - Category 1 - H400
Hazardous to the aquatic environment, long-term hazard - Category 1 - H410

GHS Label Elements

Pictogram
Signal Word



Danger

Hazard Statements

H227	Combustible liquid.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.

P273
P280

Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P301+P310

If swallowed: Immediately call a POISON CENTER or doctor/physician.

P302+P352

If on skin: Wash with plenty of water.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P331

Do NOT induce vomiting.

P333+P313

If skin irritation or a rash occurs: Get medical advice/attention.

P363

Wash contaminated clothing before reuse.

P370+P378

In case of fire: CO₂, dry chemical, or foam to extinguish.

P391

Collect spillage.

Precautionary Statements - Storage

P403+P235

Store in a well ventilated place. Keep cool.

P405

Store locked up.

Precautionary Statements - Disposal

P501

Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazards Not Otherwise Classified (HNOC)

100% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family
Formula

Aliphatic hydrocarbons
C₁₀H₁₆

Product Name

Terpinolene

CAS NO

586-62-9

Concentration

100%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a physician.

Skin Contact

Remove contaminated clothing. Wash with soap and plenty of water. Wash contaminated clothing before reuse. Consult physician if irritation occurs.

Inhalation

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician if you feel unwell.

Ingestion

Do NOT induce vomiting. Clean mouth with water, or dilute with milk or water. Never give anything by mouth to an unconscious person. Consult a physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Use CO₂, dry chemical, or foam.

Specific hazards arising from the chemical

Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes, and inhalation of vapors. Remove all sources of ignition. Wash thoroughly after handling.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for containment

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing vapors or mists. Ensure adequate ventilation, especially in confined areas. Wash thoroughly after handling. When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Avoid direct sunlight and sources of heat. Opened containers should be carefully resealed and kept upright to prevent leakage.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure controls

Engineering controls

Showers. Eyewash stations. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes, or clothing. Regular cleaning of equipment, work area, and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear, colorless to pale yellow
Odor	Characteristic odor
Melting point	-29.5 °C
Flash point	61 °C (142 °F)
Boiling point	185 °C
Water solubility	Slightly soluble
Molecular weight	136.24

10 . STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight. Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous decomposition

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects**Acute toxicity**

ATEmix Oral: 3775 mg/kg

Skin corrosion/irritation

Causes mild skin irritation.

Sensitisation

May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity

This product does not contain any known or suspected reproductive hazards above the threshold value.

Aspiration hazard

May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product contains a chemical which is listed as a severe marine pollutant according to DOT. 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Product**

Dispose of product in accordance with local regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

US DOT (Land)

UN/ID #	2541
Proper Shipping Name	Terpinolene
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

IMDG/IMO (Sea)

UN/ID #	2541
Proper Shipping Name	Terpinolene
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

IATA/ICAO (Air)

UN/ID #	2541
Proper Shipping Name	Terpinolene
Hazard Class	3
Packing Group	III

15. REGULATORY INFORMATION

SARA 311/312

Acute Health Hazard

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Right-to-Know Regulations

<u>Chemical Name</u>	<u>New Jersey</u>	<u>Massachusetts</u>	<u>Pennsylvania</u>	<u>Rhode Island</u>
Terpinolene (586-62-9)	X			

16. OTHER INFORMATION

Creation date: 5/8/2014
Revision date: 7/27/2018

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