

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Yarrow Essential Oil
Product code	EO-YARRO
Botanical name	Achillea millefolium
CAS #	8022-07-9
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 Liquid - Category 3.
Acute Toxicity, Oral - Category 4
Acute Toxicity, Inhalation - Category 4
Respiratory Sensitization - Category 1, 1A, 1B
Skin Irritation-Category 2 Skin Sensitization - Category 1
Specific target organ toxicity, single exposure - Category 2
Hazardous to the aquatic environment, acute hazard - Category 1
Hazardous to the aquatic environment, long-term hazard - Category 1

GHS Label Elements

Pictogram
Signal Word



Warning

Hazard Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H371	May cause damage to organs.
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.

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	If exposed or concerned: Call a POISON CENTER/ doctor.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see section 4 & 8 on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use carbon-dioxide, powder extinguishing media 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 to an approved waste disposal plant.
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Hazards Not Otherwise Classified (HNOC)

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	CAS NO	Concentration
Sabinene	3387-41-5	5-10%
b-Pinene	127-91-3	6-9%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

Skin Contact

Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing Wash with soap and plenty of water. Seek medical attention if irritation persists.

Inhalation

Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of overexposure are dizziness and nausea.

Ingestion

Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.

Most important symptoms and effects, both acute and delayed

No additional information available.

Indication of any immediate medical attention and special treatment needed

No additional information available. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Carbon Dioxide, sand or extinguishing powder. Closed containers may build up pressure at elevated temperature

Specific hazards arising from the chemical

Carbon monoxide, Carbon dioxide.

Special protective equipment and precautions for firefighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use of self-contained breathing apparatus is recommended for any major chemical spill. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Refer also to section 8.

Environmental precautions

Keep away from drains, surface and groundwater. Report spills to appropriate authorities if required.

Methods and materials for containment and cleaning up**Methods for containment**

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

Methods for cleaning up

Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation /exhaustion at the work place. When using do not eat, drink or smoke. Keep ignition sources away. Protect against electrostatic charges. Containers should be kept tightly sealed closed in order to minimize contamination.

Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and away from all sources of ignition

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

No data available.

Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face protection: The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended. An eyewash fountain and / or safety shower should be available in the work area.

Skin/Body protection: Chemical resistant gloves/clothing are recommended.

Respiratory protection: In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

General hygiene considerations

Acceptable industrial hygiene practices should be maintained.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Pale blue to blue clear liquid.
Odor	Characteristic odor reminiscent of wormwood and chamomile
Refractive Index	N/A
Specific Gravity:	0.900 – 0.935
Flash point	54°C (129.2°F)
Solubility	Soluble in alcohol and oils. Insoluble in water
Contents	α and β -pinenes, borneol, bornyl acetate, camphor, caryophyllene, eugenol, farnesene, myrcene, sabinene, terpineol, thujone, chamazulene, guaiazulene, achillin, achillicin, hydroxyachillin, balchanolide, leucodin, millifin, millifolide

10 . STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

No data available.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition

When heated to decomposition produces toxic fumes/carbon monoxide smoke.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Camphor LD50 (oral) -mouse-1310 mg/kg bw
Terpinene-4-ol LD50 (oral) -rat- 1300 mg/kg bw

Skin corrosion/irritation

Adverse skin effects should be prevented by normal care and personal hygiene

Serious eye damage/eye irritation

Possible irritation should be prevented by wearing safety glasses.

Respiratory or skin sensitisation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

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 known or anticipated 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.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organism may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.

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**

Do not dispose of with household garbage. Do not dispose of in drain or sewage system. Dispose of in accordance with local, provincial and federal regulations. Check with disposal expert to ensure compliance

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

US DOT (Land)

UN/ID #	1169
Proper Shipping Name	Extract, aromatic, liquid
Hazard Class	3
Packing Group	III
Poison Inhalation Hazard	No

IMDG/IMO (Sea)

UN/ID #	1169
Proper Shipping Name	Extract, aromatic, liquid
Hazard Class	3
Packing Group	III
EMS-No	F-E, S-D
Poison Inhalation Hazard	No

15. REGULATORY INFORMATION**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

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 Hazard Categories

Fire Hazard, Acute Health Hazard

California Proposition 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Creation date: 12/28/2020
Revision date: 12/28/2020

Disclaimer & Caution:

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