

The Essential Oil Company

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

PRODUCT NAME: WORMWOOD OIL OIL

BOTANICAL/CHEMICAL NAME: Artemisia absinthium

MOLECULAR WEIGHT: N/A

MOLECULAR FORMULA: N/A

CLP REFERENCE NUMBER N/A

REACH REGISTRATION NUMBER N/A

REACH PREREGISTRATION NUMBER N/A

APPLICATION OF THE SUBSTANCE: Raw material: Fragrance/flavor application

CAS No (TSCA) 8008-93-3

FEMA Number 3116

1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

The Essential Oil Company

9225 SE 7th Ave.

Portland, Oregon 97212

503-872-8772

FOR FURTHER INFORMATION, PLEASE CONTACT:

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EMERGENCY TELEPHONE NUMBER

800-729-5912

2. HAZARDS IDENTIFICATION

Physical hazards Flammable liquids Category 4

Health hazards Acute toxicity, oral Category 4

Environmental hazards Hazardous to the aquatic environment, long-term hazard Category 3

Label elements



Label elements according to Directive 67/548/EEC or 1999/45/EC



Signal word Warning

Hazard statement

H227 Combustible liquid.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

Response

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

Classification system:

The classification is according to the latest editions of EU lists, and extended by company and literature data.

Additional Information:

See section 16 for the wordings of listed R-, S-phrases, H-statements and Hazard codes.

Emergency Overview**Precautionary Statements – Prevention**

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed in workplace
Keep away from heat/sparks/open flames/hot surfaces. –No smoking

Precautionary Statements – Response

Specific treatment (see ? on this label)
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Immediately call POISON CENTER or doctor/physician
Do not induce vomiting
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements – Storage

Store locked up
Store in well-ventilated place. Keep cool

Precautionary Statements – Disposal

Dispose of contents/container to an approved disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description:

Essential Oil; UVCB; Substance of biological origin with variable and partially unknown composition.

Hazard Impurities: Not Applicable

Content of R65 classified products: No

Dangerous components:

4. FIRST AID MEASURES

First aid measures for different exposure routes

General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or clothing
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required.
Inhalation	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician. Immediate medical attention is not

required. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion

Do not induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of first-aiders Use personal protective equipment

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

May cause sensitization of susceptible persons. Treat symptomatically.

Symptoms of poisoning may even occur after several hours: therefore medical observation for at least 48 hours after accident

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data

Sensitivity of Mechanical Impact	None
Sensitivity to Static Discharge	Yes

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharge.

Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. 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 Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not

breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static discharge (which might cause ignition of organic vapors).

Conditions for safe handling

Technical measures/Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat.

Incompatible products

None known based on information supplied.

8. EXPOSURE CONTROL/PERSONAL PROTECTION
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Control parameters

Exposure guidelines

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

Exposure controls

Engineering measures

Showers
Eye wash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tightly fitting goggles. Face-shield

Skin and body protection

Chemical resistant apron

Respiratory protection

If exposure limits are exceeded for irritation is experienced, NIOSH/MSHA approved respiratory

protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

Skin Protection



Safety Gloves

Eye Protection



Tight safety goggles

Body Protection



Protective Clothing

Respiratory Protection



Dust Mask

Environmental exposure controls

Prevent entry into drains, ground/surface water or sewerage system

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Physical State @20°C	Liquid
Appearance	Dark green to brown
Odor	Characteristic
Odor Threshold	No information available
pH	No information available

Optical Rotation	-12.8 to -13.2
Melting point/range	No information available
Freezing Point	No information available
Initial boiling point	No information available
Boiling point/boiling range	No information available
Flashpoint	150°F (65°C)
Specific Gravity	0.91 to 0.943 @25°C
Refractive Index	1.4660 to 1.4770 at 25°C
Evaporation Rate VALUE	No information available
Flammable Properties	No information available
Flammability limits in Air	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available
Vapor Pressure @20°C	No information available
Vapor Density	No information available
Water Solubility	Insoluble in water
Solubility	No information available
Partition coefficient:	No information available
Autoignition temperature	No information available
Decomposition Temperature °C	No information available
Viscosity, dynamic	No information available
Molecular Weight	No information available
VOC Content	No information available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive, stable at room temperature

Chemical stability

Stable under recommended storage conditions

Possibility of hazardous reactions

Reactions with strong oxidizers

Conditions to avoid

Heat, flames and sparks

Incompatible materials

Avoid strong acids strong bases and all oxidizing agents

Hazardous decomposition products

No dangerous decomposition products expected by intended use

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	No adverse effects to inhalation are expected
Eye contact irritation	Direct contact with the eyes may cause temporary irritation
Skin contact	No adverse effects to inhalation are expected
Ingestion	Harmful if swallowed

Chemical name	LD50 Oral	LD50 Dermal	LG50 inhalation
Wormwood Oil	No Data available	No Data available	No Data available

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available

Mutagenic effects No information available

Carcinogenicity No information available

Reproductive Toxicity No information available

Specific target organ systemic toxicity (single exposure)
No information available

Specific target organ systemic toxicity (repeated exposure)
No information available

Chronic toxicity Repeated exposure may cause allergic reactions in very susceptible persons. Avoid repeated exposure

Aspiration hazard No information available

CMR Effects

Carcinogen No information available

Mutagen No information available

Reprotoxic No information available

Exposure Limits

Note: There is a blanket recommendation of 10 mg/m³ for inspirable dusts or mists when limits have not otherwise been established

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT

Ecotoxicity

Harmful to aquatic life with long lasting effects

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Wormwood Oil	No data available	No data available	No data available

Persistence and degradability

No information available

Bioaccumulation

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste disposal methods

Dispose of in accordance with local regulations

Contaminated packaging

Do not re-use empty containers

Recommendations:

Empty contaminated packing thoroughly as they may be recycled.

Moistened solids to be disposed of adhering to necessary technical regulations after consulting concerned authorities

14. TRANSPORTATION INFORMATION

DOT

BULK PACKAGING

Marine Pollutant No

DOT

NON BULK PACKAGING

Marine Pollutant No

IMDG/IMO

UN Number NA1993

Proper shipping name COMBUSTIBLE LIQUID. N.O.S.
(WORMWOOD OIL)

Hazard Classification 3

Packaging Group III

Marine Pollutant No

ADR/IMDG/IATA Labels:



Special precautions for users:

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before re-use. Prevent entry into drains, ground/surface water or sewerage system.

15. REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard No

Fire Hazard Yes

Pressure Hazard No

Reactivity Hazard No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

International Inventories

Australia Australian Inventory of Chemical Substances (AICS) Yes

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical Substances (EINECS) No

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) No

Korea Existing Chemicals List (ECL) Yes

New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

***A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)**

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

Relevant R – and S phrases

R10	FLAMMABLE.
R38	IRRITATING TO SKIN.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R65	HARMFUL:MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R50/53	VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG - TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
S24	AVOID CONTACT WITH SKIN.
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.
S62	IF SWALLOWED, DO NOT INDUCE VOMITTING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Relevant H-, P – Statements and Hazard Codes

H227	COMBUSTIBLE LIQUID AND VAPOUR
H302	HARMFUL IF SWALLOWED
H412	HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS
P210	KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. NO SMOKING.
P264	WASH THOROUGHLY AFTER HANDLING
P270	DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT
P273	AVOID RELEASE TO THE ENVIRONMENT
P280	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION
P301+312	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P330	RINSE MOUTH

P370+P378	IN CASE OF FIRE: USE APPROPRIATE MEDIA TO EXTINGUISH
P403+235	STORE IN A WELL VENTILATED PLACE. KEEP COOL
P501	DISPOSE OF CONTENTS/CONTAINER TO ... (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION)

Revision Date 6/28/16

Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet