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**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	Neroli Essential Oil
Product code	EO-NEROL
Botanical name	Citrus aurantium amara
CAS #	8016-38-4
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)

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**2. HAZARD(S) IDENTIFICATION****GHS Hazard Classification**

Flammable liquids - Category 4  
Acute Toxicity oral - Category 1  
Skin corrosion/irritation - Category 2  
Skin sensitisation - Category 1  
Hazardous to the aquatic environment, long-term hazard - Category 2

**GHS Label Elements**

Pictogram  
Signal Word

Warning

**Hazard Statements**

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	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	Wash skin thoroughly after handling.
	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

P302+P352

P305+P351+P338

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do – continue rinsing.

P321

Specific treatment (see section 4 on this label).

P333+P313

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

P370+P378

In case of fire: Use appropriate fire extinguisher to extinguish.

P391

Collect spillage.

**Precautionary Statements - Storage**

P405

Store locked up.

**Precautionary Statements - Disposal**

P501

Dispose of contents/ container to an approved waste disposal plant.

**Hazards Not Otherwise Classified (HNOC)**

No data available

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**3. COMPOSITION / INFORMATION ON INGREDIENTS****Product Name**

Citrus Aurantium Oil

**CAS NO**

8016-38-4

**Concentration**

100%

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**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**

CO<sub>2</sub>, foam and dry chemicals. DO NOT use direct water jet on burning material.

### **Specific hazards arising from the chemical**

Carbon oxides.

### **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

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## 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.

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## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

#### **Incompatible materials**

None known based on information supplied.

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Dark greenish yellow liquid
Odor	Characteristic exotic citrus-y floral odor.
Refractive Index	1.460 – 1.475
Specific Gravity(d20/20):	0.990
Specific Gravity(d25/25):	0.870
Flash point	49°C (120.2°F)
Solubility	Soluble in alcohol and oils. Insoluble in water
Contents	linalyl acetate, linalool, $\alpha$ -terpineol, geranyl acetate, limonene, neryl acetate, $\beta$ -ocimene, indole, bornyl acetate, jasmone, myrcene

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## 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.

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## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects****Acute toxicity**

LD50 - (rat) 4550.00 mg/kg.

**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

Toxic to aquatic organisms, may cause long-term adverse effects 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.

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## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Product

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

#### Contaminated packaging

Do not reuse container.

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## 14. TRANSPORT INFORMATION

### US DOT (Land)

UN/ID #	3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Neroli oil)
Hazard Class	9
Packing Group	III
Poison Inhalation Hazard	No

### IMDG/IMO (Sea)

UN/ID #	3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Neroli oil)
Hazard Class	9
Packing Group	III
EMS-No	F-A, S-F
Poison Inhalation Hazard	No

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## 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.

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## **16. OTHER INFORMATION**

Creation date: 12/24/2020

Revision date: 12/24/2020

### **Disclaimer & Caution:**

The information contained in Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of WFMed's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from WFMed with the clear understanding that all products must be used at the customer's own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. WFMed shall not be held responsible for any damages to the property or for any adverse physical effects ( including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, WFMed strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the WFMed website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by WFMed as to the fitness for any use. As the ordinary or otherwise uses of this product is outside the control of WFMed no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of WFmed is limited to the value of the goods and does not include any consequential loss. WFmed shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.