

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Defense Synergy Blend
INCI name	:	Citrus aurantium dulcis peel oil (and) Citrus medica limonum peel oil (and) Melaleuca alternifolia leaf oil (and) Rosmarinus officinalis leaf oil (and) Boswellia carterii oil (and) Eucalyptus globulus oil
Country of Origin	:	Canada
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### GHS Classification

Serious eye damage/eye irritation - Category 2B

Skin corrosion/irritation - Category 3

Flammable liquids - Category 4

#### GHS Label elements, including precautionary statements

Signal: Warning

#### Hazard statement(s)

H320	Causes eye irritation.
H316	Causes mild skin irritation
H227	Combustible liquid

#### Precautionary statement(s)

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash ... thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P370+P378	In case of fire: Use ... to extinguish.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container to ...

### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Citrus Sinensis Peel Oil Expressed	97766-30-8 / 8028-48-6	307-891-8 / 232-433-8	30 to 100 %
Eucalyptus Globulus Leaf/Twig Oil	84625-32-1	283-406-2	10 to 30 %
Citrus Limon Peel Oil	8008-56-8 / 84929-31-7	284-515-8	10 to 30 %
Melaleuca alternifolia leaf oil	85085-48-9 / 8022-72-8 / 68647-73-4	285-377-1	10 to 30 %
Rosmarinus Officinalis Leaf Oil	84604-14-8 / 8000-25-7	283-291-9	10 to 30 %
Boswellia Carterii Oil	89957-98-2 / 8050-07-5	289-620-2 / 232-474-1	3 to 10 %

### 4. FIRST AID MEASURES

#### Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

#### Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

#### Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

#### Unsuitable extinguishing media

Water spray, water jet.

#### Special protective equipment and precautions for fire-fighters

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

#### Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

#### Resulting gases

Carbon oxides.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

#### Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

### 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

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Eyes

Use tightly sealed goggles.

### Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Pale Yellow to Yellow liquid.
Odor	:	Herbaceous with sweet, citrus undertones.
Flash point	:	51.0°C
Relative density	:	0.842 – 0.931 @ 25°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4650 – 1.4770 @ 20°C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Chemically stable.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon Oxides.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

Not available.

### Carcinogenicity

None of the components of this material are listed as a carcinogen.

### Skin contact

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

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

## 12. ECOLOGICAL INFORMATION

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### **Ecotoxicity**

Avoid any pollution of ground, surface or underground water.

### **Persistence and degradability**

Not available.

### **Bio - accumulative potential**

Not available.

### **Mobility in soil**

Not available.

### **Other adverse effects**

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

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### **US DOT Shipping Description (Land)**

UN # - 1169

### **Proper shipping name**

Extracts, Aromatic, Liquid

### **Class**

3

### **Packaging group**

III

### **IMO-IMDG Shipping Description (Sea)**

UN # - 1169

### **Proper shipping name**

Extracts, Aromatic, Liquid

### **Class**

3

### **Packaging group**

III

### **IATA Shipping Description (Air)**

UN # - 1169

### **Proper shipping name**

Extracts, Aromatic, Liquid

### **Class**

3

### **Packaging group**

III

## 15. REGULATORY INFORMATION

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### **California Proposition 65**

- This product can expose you to beta myrcene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

- This product can expose you to methyleugenol, which is known to the state of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### **GHS Hazard Statements**

See Section 2.

### **GHS Precautionary Statements**

See Section 2.

## **16. OTHER INFORMATION**

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### **Disclaimer & Caution**

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