

## 1. PRODUCT AND COMPANY IDENTIFICATION

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Product name	:	Grapefruit Seed Extract
INCI name	:	Citrus Grandis Seed Extract (and) Glycerin
CAS #	:	90045-43-5 / 8016-20-4 (and) 56-81-5
Country of Origin	:	USA
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

Not classified as dangerous goods.

### GHS Label elements, including precautionary statements

Signal: Not applicable

### Hazard statement(s)

Not applicable.

### Precautionary statement(s)

Not applicable.

## 3. COMPOSITION / INFORMATION INGREDIENTS

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Product Name	CAS NO	EC NO	Concentration
Citrus Grandis Seed Extract (and) Glycerin	90045-43-5 / 8016-20-4 (and) 56-81-5	289-904-6 / - (and) 200-289-5	100 %

## 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.

### Ingestion

Seek medical attention or contact local poison control center.

## 5. FIRE FIGHTING MEASURES

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### Suitable extinguishing media

Water spray, water jet, foam, dry powder, carbon dioxide.

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

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### 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

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### 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.

### Ingestion

Not for ingestion.

### Exposure limit values

OSHA (PEL): 15 mg/m<sup>3</sup> Total Dust

OSHA (PEL): 5 mg/m<sup>3</sup> Respirable fraction

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Viscous lemon yellow to golden brown liquid.
Odor	:	Mild odor.

pH	:	2 - 3
Initial b.p and boiling range	:	290 °C.
Flash point	:	144°C
Relative density	:	1.15 - 1.25
Solubility (ies)	:	Soluble in water.
Auto-ignition temperature	:	400 °C
Decomposition temperature	:	290 °C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Hygroscopic, otherwise stable under normal conditions.

### Possibility of hazardous reactions

Polymerization above 149 °C

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

Oral LD50: 5,000 mg/kg (white rat).

Inhalation LC50: greater than 250 mg m3 (rabbits and guinea pigs).

### Carcinogenicity

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

### Reproductive toxicity

No adverse effects on reproduction are known.

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

### Persistence and degradability

Easily biodegradable

### 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)

Not regulated

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

Not regulated

#### IATA Shipping Description (Air)

Not regulated

### 15. REGULATORY INFORMATION

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#### GHS Hazard Statements

Not available.

#### GHS Precautionary Statements

Not available

### 16. OTHER INFORMATION

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#### Disclaimer & Caution

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