

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Red Clover Liquid Extract - 100% Natural (Standardized)
INCI name	:	Trifolium Pratense Leaf Extract and Propanediol
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

Not a hazardous substance or mixture

### GHS Label elements, including precautionary statements

Signal: Not applicable

## 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Trifolium Pratense Leaf Extract	85085-25-2	285-356-7	3 to 10%
Propanediol	504-63-2 / 26264-14-2	207-997-3	30 to 100 %

## 4. FIRST AID MEASURES

### Eye contact

Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing.

### Skin contact

Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes.

### Inhalation

Not an expected route of exposure. Get medical advice/attention if you feel unwell.

### Ingestion

Not an expected route of exposure. If swallowed by mistake, get medical advice/attention immediately.

## 5. FIRE FIGHTING MEASURES

### Suitable extinguishing media

Water, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

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

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Evacuate personnel to safe areas.

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

Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon monoxide, carbon dioxide.

### **Resulting gases**

Carbon oxides.

## **6. ACCIDENTAL RELEASE MEASURES**

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

Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

### **Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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

Contain spilled material. Soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition. Avoid contact with eyes. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Store in accordance with local regulations.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **Exposure controls**

Ensure adequate ventilation, especially in confined areas.

### **Eyes**

Wear safety glasses with side shields.

### **Skin**

When there is potential skin contact, have available and wear as appropriate impervious gloves, apron, pants, jacket.

### **Respiratory**

If exposure limits are exceeded or 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.

### **Exposure limit values**

No exposure limits established.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	:	Brown to Dark Brown Opaque Liquid
Odor	:	Characteristic Odor

Flash point	:	> 129°C (264°F)
Relative density	:	0.9100 to 1.3550 @ 25 °C
Solubility (ies)	:	Soluble in water
Refractive index	:	1.435 to 1.460 @ 20 °C

## 10. STABILITY AND REACTIVITY

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### **Reactivity**

No known effects under normal use conditions.

### **Chemical stability**

Stable under normal conditions.

### **Possibility of hazardous reactions**

None under normal processing.

### **Conditions to avoid**

Heat, flames and sparks. Incompatible materials.

### **Incompatible materials**

Strong oxidizing agent.

### **Hazardous decomposition products**

None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

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### **Inhalation**

No known effects.

### **Skin contact**

Non-irritating to the skin.

### **Eye contact**

No eye irritation.

### **Ingestion**

No known effects.

## 12. ECOLOGICAL INFORMATION

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### **Ecotoxicity**

No data available.

### **Persistence and degradability**

No information available.

### **Bio - accumulative potential**

No information available.

### **Mobility in soil**

No information available.

### **Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATION

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Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

## 14. TRANSPORT INFORMATION

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

Not regulated

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

Not regulated

### **IMDG-Marine pollution**

Non-marine pollutant

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

Not regulated

## 15. REGULATORY INFORMATION

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### **SARA 313**

None

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

## 16. OTHER INFORMATION

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### **Disclaimer & Caution**

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