



## MATERIAL SAFETY DATA SHEET

### SECTION: 1.1 PRODUCT IDENTIFICATION

**Product Name:** Ruby Grapefruit Fragrant Oil  
**Product Use:** Fragrance  
**Country of Origin:** USA

### SECTION: 1.2 COMPANY IDENTIFICATION

**Company:** New Directions Aromatics Inc.  
**Address:** 6781-Columbus Road, Mississauga. L5T 2G9 Canada  
**Telephone No:** 905-362-1915  
**FAX:** 905-362-1926

**24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC**

### SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Proportions [%w/w]
Fragrance- Proprietary mixture	Not allotted	Not allotted	100%

This material is a proprietary mixture of aroma chemicals, essential oils and natural extracts which are considered by the manufacturer to be trade secrets and are withheld with the provision of section 1910.1200 of Title 29 of the Code of Federal Regulation. The manufacturer does not anticipate any harmful effects from this product providing good manufacturing practices are followed.

### SECTION: 3. HAZARDS IDENTIFICATION

The composition of this product is classified as a trade secret in accordance with CFR 29.1910.1200. This is a Product for which no health hazard data exists. The hazards communication standard requires that such mixtures be assumed to present the same health hazards as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in the mixture. Based on information currently available from the manufacturer we estimate that this mixture may have properties which can be potentially hazardous to health: HARMFUL IF SWALLOWED. Irritating to Eyes, skin, nose, throat and Lungs. This product or all components of this product are listed on the US. TSCA inventory and Canadian DSL.

**WARNING:** Odor counteractants / neutralizers must not be used to conceal any hazardous or dangerous vapors or conditions. Where these dangers exists appropriate warning (material safety data sheets, warning labels) must be given to those who come in contact with these products.

**EU Classification:** (1999/45/EC): Xi- Irritant

**EU Risk / Safety Phrase:** R36/37/38, R43, S24, S26, S28

**Canadian WHMIS Classification:** N/A

### SECTION: 4. 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.

**Inhalation:** Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.

**Ingestion:** Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is convulsing.

**MATERIAL SAFETY DATA SHEET**

**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.

**SECTION: 5. FIRE FIGHTING MEASURES**

**Flammable Limits:** N/A  
**Extinguishing media:** Carbon Dioxide, dry chemical or foam.  
 Do not use direct water jet on burning material.  
**Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan.  
**Unusual Firefighting Hazards:** None identified.  
**Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving oils or chemicals.  
**Combustion Product:** Carbon Monoxide, Carbon Dioxide

**SECTION: 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.  
**Safety Precautions:** Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.  
**Environmental Precautions:** Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.  
**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.

**SECTION: 7. HANDLING AND STORAGE**

**Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.  
**Storage:** Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep 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".

**SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Eyes 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  
**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).  
**Protective Gloves:** Using chemical resistant gloves is recommended.  
**Protective Clothing:** Using chemical resistant clothing is recommended.

**MATERIAL SAFETY DATA SHEET**

**Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

**SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear, liquid, Very light to medium amber orange color  
**Odor:** Characteristic Citrus Ruby Red Grapefruit odor.  
**Solubility:** Soluble in ethyl alcohol, insoluble in water  
**Specific Gravity:** 0.851 ± 0.025 @ 20°C  
**Refractive Index:** 1.472 ± 0.025 @ 20°C  
**pH:** Not Available  
**Flash Point:** Greater than 93°C [Closed Cup]  
**Melting Point:** Not Available  
**Boiling Point:** Not Available  
**Vapor Pressure:** Not Available  
**Vapor Density (air= 1):** >1  
**Volatile Organic Carbon Compound:** Air freshener whose VOC constituents consist of 100% fragrance are not subjected to the EPA or CARB Emission for consumer products.

**SECTION: 10. STABILITY AND REACTIVITY**

**Stability:** Chemically stable, non hazardous material.  
This material presents no significant reactivity hazard.  
**Conditions to Avoid:** Avoid sparks, flame and excessive heat.  
**Materials to Avoid:** Strong oxidizing agents.  
**Flammability:** Combustible liquid.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Combustion or Decomposition Products:** None known.

**SECTION: 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.  
**Skin Contact:** Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene.  
**Eye Contact:** May irritate eyes.  
**Ingestion:** Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.  
**Medical Conditions Aggravated by Exposure:** May aggravate dermatitis, psoriasis and other skin conditions.  
**Chronic Toxicity:** May cause allergic reactions on skin  
**Carcinogenicity Data:** None of the components of this material are listed as a carcinogen.  
**Reproductive Toxicity:** No adverse effects on reproduction are known.  
**Acute Toxicity Values:** No data is currently available.

**SECTION: 12. ECOLOGICAL INFORMATION**

The ecological effects of this product have not been evaluated.

**SECTION: 13. DISPOSAL CONSIDERATION**

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.

**MATERIAL SAFETY DATA SHEET**

**SECTION: 14. TRANSPORT INFORMATION**

<b>US DOT Shipping Description:</b>	Not regulated
<b>IATA Shipping (Air):</b>	Not regulated
<b>IMDG Shipping Description:</b>	Not regulated

**SECTION: 15. REGULATORY INFORMATION**

<b>WHMIS (Canada):</b>	Class B3 – Combustible liquid with flash point between 37.8°C (100°F) and 93.3°C (200°F).
<b>HMIS (USA):</b>	Health Hazard – 0 Fire Hazard – 3 Reactivity – 1
<b>EU Labeling:</b>	Xi Irritant
R10	Flammable
R36/37/38	Irritating to respiratory system, eyes, and skin.
R43	May cause sensitization by skin contact.
S24	Avoid contact with skin.
S26	In case of contact with eyes, rinse immediately with water and seek medical advice
S28	After contact with skin, wash immediately with plenty of soap and water.

**SECTION: 16. OTHER INFORMATION**

Revision Date: January 16, 2012

**SECTION: 17. DISCLAIMER**

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of New Directions Aromatics knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any Laws or Regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from New Directions Aromatics Inc. with the clear understanding that all products must be used at the customers own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. New Directions Aromatics Inc. shall not be held responsible for any damages to 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, New Directions Aromatics strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the New Directions Aromatics Inc. 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 New Directions Aromatics Inc. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., 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 New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

**PRODUCTS INGREDIENT DISCLAIMER**

Customers should always refer to the ingredients label as affixed to each product or to specification sheets which are current at the time of supply of the product.



NEW DIRECTIONS

A R O M A T I C S

**CERTIFICATE OF ANALYSIS**

**Product:** Ruby Grapefruit Fragrant Oil

**Lot No.:** 23119-A11/B11

**Best before:** November 2012

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
<b>Appearance:</b>	Clear, liquid, Very light to medium amber orange color	Complies
<b>Odor:</b>	Characteristic Citrus Ruby Red Grapefruit odor.	Complies
<b>Solubility:</b>	Soluble in ethyl alcohol, insoluble in water	Complies
<b>Specific Gravity:</b>	0.851 ± 0.025 @ 20°C	0.852
<b>Refractive Index:</b>	1.472 ± 0.025 @ 20°C	1.474

**DISCLAIMER:**

The information contained in this Certificate of Analysis is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., 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. New Directions Aromatics Inc. expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by New Directions Aromatics Inc. as to the fitness for any use. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. 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.

---

**New Directions Aromatics Inc.**

6781-Columbus Road, Mississauga, L5T 2G9 Canada

Tel: (905) 362-1915

Fax: (905) 362-1926

[www.newdirectionsaromatics.com](http://www.newdirectionsaromatics.com)