

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22, 2022

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Ruby Grapefruit Fragrance Oil
Country of Origin	:	Canada
Product use	:	Fragrance
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

Flammable liquids - Category 3

Acute Toxicity - Oral - Category 4

Skin Sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Hazardous to the aquatic environment - Acute Hazard - Category 3

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H226	Flammable liquid and vapour
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H320	Causes eye irritation
H402	Harmful to aquatic life.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container according to local regulations.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P102	Keep out of reach of children.
P103	Read label before use.
P235+P410	Keep cool. Protect from sunlight
P262	Do not get in eyes, on skin, or on clothing.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P402+P404	Store in a dry place. Store in a closed container.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Aldehyde C10	112-31-2	-	< 5 %
Citral	5392-40-5	-	< 5 %

NOTE:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.

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

Suitable extinguishing media

Water spray. Dry Powder. Foam. Carbon dioxide.

Unsuitable extinguishing media

Do not direct a water stream directly into the burning liquid.

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

Product is non-reactive under normal conditions of use, storage and transport.

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

Store in a cool, dry ventilated area, away from heat and ignition sources at temperatures between 15-21°C. Keep containers closed and up right when not in use. Ensure that all labels are legible if applicable to the item.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls

Ensure food ventilation of the work station.

Eyes

Use tightly sealed goggles.

Skin

Chemically resistant latex rubber gloves are recommended at all times when handling flavor and fragrance chemicals.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear liquid, medium to dark amber orange color.
Odor	:	Characteristic citrus ruby red grapefruit-type odor.
Flash point	:	≈50-55°C
Solubility (ies)	:	Insoluble in water.

Refractive index : 1.446 - 1.496 @ 20 °C

10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ALDEHYDE C10:

LD50 oral - 3096 mg/kg (Rat)

LD50 dermal - 4183 mg/kg (Rabbit)

CITRAL:

LD50 oral - 4960 mg/kg (Rat)

LD50 dermal - > 2000 mg/kg (Rat)

Carcinogenicity

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

Inhalation

Exposure could cause slight lung and/or mucous membrane irritation if safety precautions are not strictly followed. No adverse effects are anticipated if proper local and ambient ventilation is used at all times when handling chemicals.

Skin contact

May cause mild eczema or allergic erythema if safety precautions are not strictly followed.

Eye contact

Moderate to severe corneal irritation and conjunctivitis will occur if safety precautions are not strictly followed. Acute contact may cause severe pain and mild transient irritation of the corneal epithelium.

Ingestion

Acute or chronic ingestion should not occur at anytime. Acute ingestion could result in abdominal pain, nausea, vomiting and diarrhea.

Serious eye damage

Chronic exposure to vapours or to product without approved safety glasses or splash goggles may increase the risk of corneal and conjunctival injury.

Repeated exposure

Chronic exposure to skin without exercising proper safety precautions may result in moderate edema, erythema, and possible allergic dermatitis. Chronic exposure without use of proper local and ambient ventilation at all times will increase the risk of possible lung/mucous membrane irritation.

Acute or chronic ingestion should not occur at anytime. Severe adverse effects such as gastritis, kidney and liver damage, lung irritation and potential pulmonary edema and hemorrhaging may occur.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION

UN Number

1266

UN proper shipping name

Perfumery products

Transport hazard class

3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group

III - Minor Danger

US DOT Shipping Description (Land)

1266

Proper shipping name

Perfumery products

Class

3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packaging group

III - Minor Danger

IMO-IMDG Shipping Description (Sea)

1266

Proper shipping name

Perfumery products

Class

3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packaging group

III - Minor Danger

IATA Shipping Description (Air)

1266

Proper shipping name

Perfumery products

Class

3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packaging group

III - Minor Danger

15. REGULATORY INFORMATION

TSCA

All products are listed on the United States TSCA (Toxic Substances Control Act) inventory.

California Proposition 65

It does not contain any contaminants or by products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 .

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : April 22,2022

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, 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. 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 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. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario, Canada.