

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Bay Rum Fragrance Oil
Country of Origin	:	USA
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

- Skin Sensitization - Category 1
- Serious eye damage/eye irritation - Category 2
- Germ cell mutagenicity - Category 2
- Carcinogenicity - Category 1

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

- | | |
|------|---------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |

Precautionary statement(s)

- | | |
|------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

P308	If exposed or concerned: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P321	Specific treatment (see section 4 on this label).
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Isopropyl myristate	110-27-0	-	> = 50 %
Eugenol	97-53-0	-	5 - 10 %
Benzyl Benzoate	120-51-4	-	1 - 5 %
Isoeugenol	97-54-1	-	1 - 5 %
Cinnamomum Zeylanicum Leaf Oil	8015-91-6	-	1 - 5 %
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta- γ -2-benzopyran	1222-05-5	-	1 - 5 %
Cistus Ladaniferus Resin	8016-26-0	-	0.1 - 1 %
Citrus Sinensis Peel Oil Expressed	8028-48-6	-	0.1 - 1 %
Santalum Album Oil	8006-87-9	-	0.1 - 1 %
Citronellol	106-22-9	-	0.1 - 1 %
Citrus Limon Peel Oil	84929-31-7	-	0.1 - 1 %
Linalool	78-70-6	-	0.1 - 1 %
Triethyl citrate	77-93-0	-	0.1 - 1 %
Methyl dihydrojasmonate	24851-98-7	-	0.1 - 1 %
Patchouli oil	8014-09-3	-	0.1 - 1 %
7-acetyl-1,1,3,4,4,6-hexamethyltetralin	1506-02-1	-	0.1 - 1 %
Diethyl adipate	103-23-1	-	0.1 - 1 %
Coumarin	91-64-5	-	0.1 - 1 %
Ethyl alcohol	64-17-5	-	0.1 - 1 %
Ethylene brassylate	105-95-3	-	0.1 - 1 %
Labdanum oil	8016-26-0	-	0.1 - 1 %
Cedrenyl acetate	1405-92-1	-	0.1 - 1 %
Dimethylcyclohex-3-ene-1-carbaldehyde	27939-60-2	-	0.1 - 1 %
Dihydromyrcenol	18479-58-8	-	0.1 - 1 %
D-limonene	5989-27-5	-	0.1 - 1 %
Vanillin	121-33-5	-	0.1 - 1 %
Acetyl cedrene	32388-55-9	-	0.1 - 1 %

Orange oil	8028-48-6	-	0.1 - 1 %
Clove oil	84961-50-2	-	0.1 - 1 %
Sandalwood oil	8006-87-9	-	0.1 - 1 %
6,7-dihydro-1,1,2,3,3-pentamethyl-4(5h)-indanone	33704-61-9	-	0.1 - 1 %
Citronellol	106-22-9	-	0.1 - 1 %
Geraniol	106-24-1	-	< 0.1
Methyl gamma-ionone	127-51-5	-	< 0.1
Benzoin absolute resin	9000-72-0	-	< 0.1
Amyl salicylate	2050-08-0	-	< 0.1
Lavandin oil	8022-15-9	-	< 0.1
Tarragon oil	8016-88-4	-	< 0.1
Lavender oil	8000-28-0	-	< 0.1
Dipropylene glycol	127-91-3	-	< 0.1
Gamma-terpinene	99-85-4	-	< 0.1
Medium chain triglycerides	73398-61-5	-	< 0.1
Gamma undecalactone	104-67-6	-	< 0.1
Alpha pinene	80-56-8	-	< 0.1
Citral	5392-40-5	-	< 0.1
Cistus absolute	8016-26-0	-	< 0.1
Myrcene	123-35-3	-	< 0.1
10-undecenal	112-45-8	-	< 0.1
Allyl (3-methylbutoxy)acetate	67634-00-8	-	< 0.1
Galbanum oil	8023-91-4	-	< 0.1
Terpinolene	586-62-9	-	< 0.1
Hexanoic acid	142-62-1	-	< 0.1
Dihydrocoumarin	119-84-6	-	< 0.1

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

Do not induce vomiting. Seek medical attention if irritation occurs.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam extinguisher, dry powder, carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Respiratory protection equipment may be necessary.
Remove any ignition sources.

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

Handle according to good safety procedures, avoiding any unnecessary exposure to skin, lungs or eyes by wearing the appropriate protective gear for the situation. 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 place away from heat, light and sources of ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

May cause irritation. Use tightly sealed goggles.

Skin

May cause irritation. Protective clothing and gloves should be worn.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

Control parameters**Exposure limit values**

CITRAL (5392-40-5):
USA - ACGIH ACGIH TWA (ppm) 5 ppm

ALPHA PINENE (80-56-8):
USA - ACGIH TWA (ppm): 20 ppm
BETA-PINENES (127-91-3):
USA - ACGIH TWA (ppm): 20 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale amber to amber liquid.
Odor	:	Characteristic odor.
Flash point	:	119 °C
Relative density	:	0.8750 to 0.8950 @ 25 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.443 to 1.463 @ 20 °C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Incompatible materials

Strong oxidizing agents, strong reducing agents.

Hazardous decomposition products

Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

CITRONELLOL (106-22-9) LD50 oral rat 3450 mg/kg (Rat; Inconclusive, insufficient data) LD50 dermal rabbit 2650 mg/kg (Rabbit; Inconclusive, insufficient data) ATE US (oral) 3450 mg/kg body weight ATE US (dermal) 2650 mg/kg body weight

BENZYL BENZOATE (120-51-4) LD50 oral rat 1870 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >2000 mg/kg bodyweight; Rat) LD50 dermal rat 4400 mg/kg (Rat) LD50 dermal rabbit 4000 mg/kg (Rabbit; Experimental value; Modification of Draize 1959 method; >2; Rabbit) ATE US (oral) 1500 mg/kg body weight ATE US (dermal) 4000 mg/kg body weight

ISOEUGENOL (97-54-1) LD50 oral rat 1560 mg/kg (Rat) ATE US (oral) 1500 mg/kg body weight ATE US (dermal) 1900 mg/kg body weight

LINALOOL (78-70-6) LD50 oral rat 2790 mg/kg (Rat) LD50 dermal rat 5610 mg/kg (Rat) LD50 dermal rabbit > 5000 mg/kg (Rabbit) ATE US (oral) 2790 mg/kg body weight ATE US (dermal) 5610 mg/kg body weight

CINNAMOMUM ZEYLANICUM LEAF OIL (8015-91-6) ATE US (oral) 2650 mg

Skin contact

May irritate the skin.

Eye contact

May irritate the eye.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The 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

potential.

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**

Not regulated.

US DOT Shipping Description (Land)

Not regulated.

IMO-IMDG Shipping Description (Sea)

Not regulated.

IATA Shipping Description (Air)

Not regulated.

15. REGULATORY INFORMATION**TSCA**

All products are listed on the United States TSCA inventory.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : December 17, 2018

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.