

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22, 2022

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Plumeria Fragrance Oil
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

Skin Corrosion/Irritation -Category 2

Skin Sensitization - Category 1

Serious eye damage/Eye Irritation -Category 2A

Reproductive Toxicity -Category 2

Hazardous to the aquatic environment - Acute Category 2

Hazardous to the aquatic Environment - Chronic Category 2

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and 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+P311	If exposed or concerned: Call a POISON CENTER/ doctor/physician if you feel unwell.
P337+P313	If eye irritation persists get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	1222-05-5	-	10 - 30 %
3-Octanol, 3,7-dimethyl-	78-69-3	-	3.0 - 7.0 %
Octanal, 2-(phenylmethylene)-	101-86-0	-	3.0 - 7.0 %
Acetic acid, phenylmethyl ester	140-11-4	-	3.0 - 7.0 %
Benzoic acid, 2-hydroxy-, phenylmethyl ester	118-58-1	-	1.0 - 5.0 %
2-Phenylethanol	60-12-8	-	1.0 - 5.0 %
7-Octen-2-ol, 2,6-dimethyl-	18479-58-8	-	1.0 - 5.0 %
6-Octen-1-ol, 3,7-dimethyl-	106-22-9	-	1.0 - 5.0 %
3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4- methylpentyl)-	31906-04-4	-	1.0 - 5.0 %
Benzoic acid, 2-hydroxy-, hexyl ester	6259-76-3	-	1.0 - 5.0 %
Heptanal, 2-(phenylmethylene)-	122-40-7	-	1.0 - 5.0 %
Benzene, (2,2-dimethoxyethyl)-	101-48-4	-	1.0 - 5.0 %
Benzenepropanal, 4-(1,1-dimethyle thyl)-.alpha.-methyl-	80-54-6	-	1.0 - 5.0 %
1,6-Nonadien-3-ol, 3,7-dimethyl-	10339-55-6	-	0.5 - 1.5 %
4,7-Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, 6-propanoate	17511-60-3	-	0.5 - 1.5 %
Ethanone, 1-(1,2,3,4,5,6,7,8-octah ydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	54464-57-2	-	0.5 - 1.5 %
2,6-Octadien-1-ol, 3,7-dimethyl-, (2E)-	106-24-1	-	0.1 - 1.0 %
2-Buten-1-one, 1-(2,6,6-trimethyl-2 -cyclohexen-1-yl)-, (2E)-	24720-09-0	-	0.1 - 1.0 %
3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl-	68039-49-6	-	0.1 - 1.0 %

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 water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Ingestion

Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire.

Unsuitable extinguishing media

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

Special protective equipment and precautions for fire-fighters

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to potential of hazardous vapours and decomposition products.

Special hazards arising from the substance or its combustible products

Material may be ignited only if preheated to temperatures above the high flash point in the presence of a source of ignition.

Resulting gases

Carbon oxides, Carbon dioxide, Carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

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

No special spill clean-up considerations. Collect and discard in regular trash.

7. HANDLING AND STORAGE

Precautions for safe handling

Mildly irritating material. Avoid unnecessary exposure. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Do not get in eyes, on skin and clothing Use with adequate ventilation "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.

Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Isolate from incompatible materials like Strong oxidizing agents Acid chlorides Acid anhydrides Strong acids Strong bases Acids Bases Reducing agents Oxidizing mineral acids Strong reducing agents. Limit quantity of material stored. Store in a tightly closed container Store in a cool dry place Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use. Engineering controls must be designed to meet OSHA chemical specific standard in 29 CFR 1910. Engineering controls must be designed to control vapour concentrations to below levels published in 29 CFR 1910.1000. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Eyes

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available. Wear goggles and a face shield.

Skin

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemically resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Respiratory

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur. A respirator is not normally required. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirement whenever work place conditions warrant the use of a respirator. A supplied air type respiratory will be required.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless to very pale yellow transparant liquid.
Odor	:	Characteristic odour.
Initial b.p and boiling range	:	71.11 to 72.78 °C
Flash point	:	>93.33°C
Relative density	:	0.948 to 0.958 @ 25 °C
Solubility (ies)	:	Insoluble in water.
Auto-ignition temperature	:	480 °C.
Decomposition temperature	:	335 °C.
Refractive index	:	1.471 to 1.486 @ 25 °C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Stable under normal conditions.

Conditions to avoid

Temperatures above the high flash point of this combustible material in combination with sparks, open

flames, or other sources of ignition. Direct sources of heat. Heat flame sparks contamination elevated temperatures open flames.

Incompatible materials

Strong oxidizing agents, Acid chlorides, Acid anhydrides, Strong acids, Strong bases, Acid bases, Reducing agents, Oxidizing mineral acids, Strong reducing agents.

Hazardous decomposition products

Carbon Oxides, Carbon dioxide, Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity

None of the substances have been shown to cause cancer in long term animal studies.

IARC

Not a carcinogen according to IARC.

NTP

Not a carcinogen according to NTP

OSHA

Not a carcinogen according to OSHA.

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Reproductive toxicity

No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Possible reproductive hazard

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Repeated exposure

Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

12. ECOLOGICAL INFORMATION

Ecotoxicity

This material is not expected to be harmful to the ecology.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

13. DISPOSAL CONSIDERATION

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator. As your supplier, we have no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product when used as intended, according to this SDS. For unused and uncontaminated product, the preferred options include sending to a licensed and permitted incinerator or other thermal destruction device. Various federal, state or provincial agencies may have specific disposal of this product which may not be covered in the in this SDS. The user shall have to review these regulations to ensure full compliance with all applicable regulations.

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 components of this product are listed on the TSCA Chemical Substances Inventory or are exempt.

SARA 313

No 313-listed chemicals in this product.

California Proposition 65

We hereby declare that, to the best of our knowledge, this product does not contain any substance(s) that are listed in the California 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.