SAFETY DATA SHEET (SDS)

Version 2.0
Revision Date : April 21,2022
Print Date : April 28, 2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Christmas Eve 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

Flammable Liquids - Category 4

Serious eye damage/eye irritation - Category 2/2A

Skin Sensitization - Category 1

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H227	Combustible liquid.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash hands, forearms and face 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.
P302	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.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370	In case of fire: Use foam, dry powder, carbon dioxide.to extinguish. DO NOT use water spray or water jet.

P403	Store in a well ventilated place.
P405	Store locked up.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Dioctyl adipate	103-23-1	-	≥ 50 %
Ethyl methylphenylglycidate	77-83-8	-	10 - 25 %
Aldehyde C-16	77-83-8	-	10 - 25 %
Ethyl Vanillin	121-32-4	-	10 - 25 %
Benzaldehyde	100-52-7	-	5 - 10 %
Cinnamic Aldehyde	104-55-2	-	5 - 10 %
Ethyl Phenyl Glycidate	121-39-1	-	1 - 5 %
Coumarin	91-64-5	-	1 - 5 %
2-tert-Butylcyclohexyl acetate	88-41-5	-	1 - 5 %
Ethyl 3-phenylglycidate	121-39-1	-	1- 5 %
Gamma undecalactone	104-67-6	-	1 - 5 %
Ethyl butyrate	105-54-4	-	1 - 5 %
Tricyclodecenyl acetate	5413-60-5	-	1 - 5 %
Methyl Gamma-Ionone	127-51-5	-	1 - 5 %
Ethyl Acetoacetate	141-97-9	-	1 - 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

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.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

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

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use. Store in a cool dry place away from heat, light and sources of ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless to very pale yellow liquid.
Odor	:	Characteristic odor.
Flash point	:	75°C
Relative density	:	0.971 - 0.991 @ 25 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.467 to 1.487 @ 20 °C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents, strong reducing agents.

Hazardous decomposition products

Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

BENZALDEHYDE:
LD50 oral - 1300 mg/kg (Rat)
LD50 dermal - 5000 mg/kg (Rabbit)

CINNAMIC ALDEHYDE:
LD50 oral - 2220 mg/kg (Rat)
LD50 dermal > 2000 mg/kg (Rabbit)

ETHYL ACETOACETATE:
LD50 oral - 3980 mg/kg (Rat)
LD50 dermal > 5000 mg/kg (Rabbit)

ETHYL PHENYL GLYCIDATE:
ATE US (oral) - 2300 mg/kg body weight

COUMARIN:
ATE US (oral) - 500 mg/kg body weight

ETHYL VANILLIN:
ATE US (oral) - 3000 mg/kg body weight

Respiratory or skin sensitization

Benzaldehyde: May cause respiratory irritation.

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

Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

BENZALDEHYDE (100-52-7):
LC50 fish 1: 11.2 mg/l (96 h, Salmo gairdneri, Flow-through system)
EC50 Daphnia 1: 50 mg/l (24 h, Daphnia magna)
EC50 72h algae 1: 34 mg/l (Scenedesmus quadricauda)
BCF other aquatic organisms: 1 4.2 - 7.8 (Estimated value)
Log Pow: 1.48 (Experimental value)

Persistence and degradability

Readily biodegradable in water.

Bio - accumulative potential

Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil

BENZALDEHYDE:
Surface tension: 0.04 N/m (20 °C)

ETHYL ACETOACETATE:
Surface tension:0.032 N/m (20 °C)

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

DSL / NDSL

All products are listed on the Canadian DSL.

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	:	April 21,2022

Disclaimer & Caution

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