Safety Data Sheet

Product: **Leaves**
Product#: **FOLEAV**

PO BOX 337
Necedah, WI 54646

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Leaves

Product/Sales No: FOLEAV

UFI#

1.2 Relevant indentified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier:
Indigo Fragrance
PO BOX 337
Necedah, WI 54646

1.4 Emergency telephone number

(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands

+1 813 248-0585 International

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS

Acute Toxicity Oral, Category 5	H303 : May be harmful if swallowed
Acute Toxicity Dermal, Category 5	H313 : May be harmful in contact with skin
Skin Corrosion/Irritation, Category 3	H316 : Causes mild skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 5	H333 : May be harmful if inhaled
Aquatic Chronic Toxicity, Category 2	H411 : Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction

Classification Other

Carcinogenicity	This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following:None [X] ACGIH [ ] IARC [ ] NTP [ ] OSHA [ ]

2.2 Label elements

Labelling (GHS)

Hazard pictograms

Signal Word: Warning

Hazard statements

H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H333	May be harmful if inhaled
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment

Response:

P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse
P391	Collect Spillage

2.3 Other Hazards

no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# Ingredient	EC#	Conc. Range	GHS Classification
88-41-5 *2-t-Butylcyclohexyl acetate*	201-828-7	20 - 30 %	H227; H303; H316; H401; H411
91-64-5 *Coumarin*	202-086-7	5 - 10 %	H302; H317; H402
97-53-0 *Eugenol*	202-589-1	5 - 10 %	H303; H316; H317; H319; H401
87-44-5 *Beta-Caryophyllene*	201-746-1	2 - 5 %	H304; H317
25225-08-5 *l-Cyclocitronellene formate*	246-735-2	2 - 5 %	H227; H316; H401; H411
104-67-6 *gamma-Undecalactone*	203-225-4	2 - 5 %	H316; H402; H412
60-12-8 *phenethyl alcohol*	200-456-2	2 - 5 %	H302; H313; H316; H319

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CAS# Ingredient	EC#	Conc. Range	GHS Classification
77-83-8 *Ethyl Methylphenylglycidate*	201-061-8	2 - 5 %	H317; H401; H411
101-39-3 *alpha-Methylcinnamaldehyde*	202-938-8	2 - 5 %	H303; H317; H401
1885-38-7 *Cinnamyl nitrile*	217-552-5	1 - 2 %	H301; H312; H316; H317; H332; H402
104-61-0 *gamma-Nonalactone*	203-219-1	1 - 2 %	H316
93-92-5 *methylbenzyl acetate*	202-288-5	1 - 2 %	H227; H402
120-57-0 *Heliotropine*	204-409-7	1 - 2 %	H303; H317; H401
3681-71-8 *Hexenyl Acetate*	222-960-1	1 - 2 %	H315
68737-61-1 *Dimethyltetrahydro Benzaldehyde*	272-113-5	0.1 - 1.0 %	H227; H303; H313; H315; H317; H401; H411
470-82-6 *Eucalyptol*	207-431-5	0.1 - 1.0 %	H226; H303; H317; H320; H402
5392-40-5 *Citral*	226-394-6	0.1 - 1.0 %	H313; H315; H317; H319; H401
5989-27-5 *Limonene*	227-813-5	0.1 - 1.0 %	H226; H304; H315; H317; H400; H412
30772-79-3 *Octahydro-4,7-methano-1H-indenecarbaldehyde*	250-333-2	0.1 - 1.0 %	H303; H317; H401; H411

See Section 16 for full text of GHS classification codes

See Section 16 for full text of GHS classification codes which where not shown in section 2

Total Hydrocarbon Content (% w/w) = 5.60

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest.
Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes.
Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap).
Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), Dry chemical, Foam

Unsuitable Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits: Contains no substances with occupational exposure limit values.

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection:	Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure
Respiratory protection:	Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.
Skin protection:	Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Odor:	Conforms to Standard
Color:	Greenish/ Pale Yellow (G1-4)
Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint (CCCFP):	>200 F (93.33 C)
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	0.0658
%VOC:	7.50
Specific Gravity @ 25 C:	0.9650
Density (g/mL) @ 25 C:	0.9620
Refractive Index @ 20 C:	1.4752
Soluble in:	Oil

10. Stability and Reactivity

10.1 Reactivity	None
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	None known
10.5 Incompatible materials	Strong oxidizing agents, strong acids, and alkalis
10.6 Hazardous decomposition products	None known

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg	(LD50: 2677.5067) May be harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 2347.6190) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LD50: 53.0662) May be harmful if inhaled
Skin corrosion / irritation	Causes mild skin irritation
Serious eye damage / irritation	Not classified - the classification criteria are not met
Respiratory sensitization	Not classified - the classification criteria are not met
Skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified - the classification criteria are not met
Carcinogenicity	Not classified - the classification criteria are not met
Reproductive toxicity	Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure	Not classified - the classification criteria are not met
Specific target organ toxicity - repeated exposure	Not classified - the classification criteria are not met
Aspiration hazard	Not classified - the classification criteria are not met

12. Ecological Information

12.1 Toxicity

Acute acquatic toxicity	Not classified - the classification criteria are not met
Chronic acquatic toxicity	Toxic to aquatic life with long lasting effects
Toxicity Data on soil	no data available
Toxicity on other organisms	no data available
12.2 Persistence and degradability	no data available
12.3 Bioaccumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Other adverse effects	no data available

13. Disposal Conditions

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company.The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

Marine Pollutant Yes. Ingredient of greatest environmental impact :
88-41-5 : (20 - 30 %) : 2-t-Butylcyclohexyl acetate

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk)	Not Regulated - Not Dangerous Goods			
Chemicals NOI				
ADR/RID (International Road/Rail)				

Environmentally Hazardous Substance, Liquid, n.o.s.	9	III	UN3082

IATA (Air Cargo)

Environmentally Hazardous Substance, Liquid, n.o.s.	9	III	UN3082

IMDG (Sea)

Environmentally Hazardous Substance, Liquid, n.o.s.	9	III	UN3082

15. Regulatory Information

U.S. Federal Regulations

TSCA (Toxic Substance Control Act) All components of the substance/mixture are listed or exempt

40 CFR(EPCRA, SARA, CERCLA and CAA) This product contains NO components of concern.

U.S. State Regulations

California Proposition 65 Warning This product contains the following components:

123-35-3(NF 204-622-5 <= 95 ppm beta-Myrcene (Natural Source)

Canadian Regulations

DSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3 and not listed in section 2

H226 : Flammable liquid and vapour
H227 : Combustible liquid
H301 : Toxic if swallowed
H302 : Harmful if swallowed
H304 : May be fatal if swallowed and enters airways
H312 : Harmful in contact with skin
H315 : Causes skin irritation
H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation
H320 : Causes eye irritation
H332 : Harmful if inhaled
H400 : Very Toxic to aquatic life
H401 : Toxic to aquatic life
H402 : Harmful to aquatic life
H412 : Harmful to aquatic life with long lasting effects

Total Fractional Values

(TFV) Risk
(94.22) Acute Toxicity Inhalation, Category 5
(5.00) Sensitization, Skin, Category 1
(5.00) Sensitization, Skin, Category 1B
(2.12) Acute Toxicity Dermal, Category 5
(1.31) Aquatic Chronic Toxicity, Category 4

(TFV) Risk
(11.61) Aquatic Chronic Toxicity, Category 3
(5.00) Sensitization, Skin, Category 1A
(4.29) Skin Corrosion/Irritation, Category 3
(1.87) Acute Toxicity Oral, Category 5
(1.14) Aquatic Chronic Toxicity, Category 2

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Remarks

This safety data sheet is based on the properties of the material known to Indigo Fragrance at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Indigo Fragrance holds no responsibility. This document is not intended for quality assurance purposes.