

42109 State Route 18
Wellington, OH 44090
PHONE: 440-647-0100 FAX: 440-647-0220
<http://www.naturesgardencandles.com>
E-mail address: info@naturesgardencandles.com

Safety Data Sheet

Product: **Acorn Harvest
Fragrance Oil**

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

1.1 Product identifier

Trade Name: Acorn Harvest Fragrance Oil

1.2 Relevant identified product use

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

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

Supplier: **Natures Garden Fragrances**
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<http://www.naturesgardencandles.com>
Department E-mail address: info@naturesgardencandles.com

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 Regulation (EC) No 1272/2008

Flammable Liquids, Category 3	H226: Flammable liquid and vapor
Acute Toxicity Dermal, Category 5	H313: May be harmful in contact with skin
Skin Corrosion/Irritation, Category 3	H316: Causes mild skin irritation
Eye Damage/Eye Irritation, Category 2A	H319: Causes serious eye irritation
Acute Toxicity Inhalation, Category 3	H331: Toxic if inhaled
Aquatic Chronic Toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects

Classification EU (67/548/EEC, 199/45/EC)

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal Word: Danger

Hazard statements

H226	Flammable liquid and vapor
H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled

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H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P233 Keep container tightly closed
P235 Keep cool
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/light/.../equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P273 Avoid release to the environment

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. Continue rinsing
P311 Call a POISON CENTER or doctor/physician
P332 + P313 If skin irritation occurs: Get medical advice/attention
P337 + P313 If eye irritation persists: Get medical advice/attention
P352 Wash with soap and water
P370 + P378 In case of fire: Use Carbon dioxide (CO₂), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material

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	EU Classification
84-66-2 <i>Diethyl phthalate</i>	201-550-6	70 - 80 %	H316; H402	
121-33-5 <i>Vanillin</i>	204-465-2	10 - 20 %	H303; H319	Xi - R36
67-63-0 <i>Isopropanol</i>	200-661-7	2 - 5 %	H225; H319; H336	R67; F - R11; Xi - R36
98-55-5 <i>alpha-Terpineol</i>	202-680-6	2 - 5 %	H227; H303; H315; H319; H401	Xi - R36, R38
128-37-0 <i>Butylated hydroxytoluene</i>	204-881-4	1 - 2 %	H316; H400; H410	N - R50/53

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CAS# Ingredient	EC#	Conc. Range	GHS Classification	EU Classification
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See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.02

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"
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5. Fire-Fighting measures

5.1 Extinguishing media

Suitable:	Carbon dioxide (CO ₂), 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
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5.3 Advice for firefighters

Further information:	Standard procedure for chemical fires
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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

Safety Data Sheet

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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 plastic and 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:

Component		ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
84-66-2	<i>Diethyl phthalate</i>	5			
67-63-0	<i>Isopropanol</i>	200		400	400
128-37-0	<i>Butylated hydroxytoluene</i>	2			

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:	Conforms to Standard
Odor:	Conforms to Standard
Color:	Tint to Pale Yellow
Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint:	135 F (57.22 C)
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	1.473
%VOC:	2.4008

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Specific Gravity @ 25 C:	1.1140
Density @ 25 C:	1.1110
Refractive Index @ 20 C:	1.5100
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 - mg/kg	(LD50: 5,983.23) Not classified - the classification criteria are not met
Acute toxicity - Dermal - mg/kg	(LD50: 4,651.84) May be harmful in contact with skin
Acute toxicity - Inhalation - mg/L/4hr	(LC50: 5.50) Toxic if inhaled
Skin corrosion / irritation	Causes mild skin irritation
Serious eye damage / irritation	Causes serious eye irritation
Respiratory sensitization	Not classified - the classification criteria are not met
Skin sensitization	Not classified - the classification criteria are not met
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 aquatic toxicity	Not classified - the classification criteria are not met
Chronic aquatic toxicity	Harmful to aquatic life with long lasting effects
Toxicity Data on soil	no data available
Toxicity on other organisms	no data available

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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

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated - Not Dangerous Goods			
ADR/RID (International Road/Rail) Chemicals NOI				
IATA (Air Cargo) Perfumery Products	3	III	Flammable Liquid	UN1266
IMDG (Sea) Perfumery Products	3	III	Flammable Liquid	UN1266

15. Regulatory Information

Additional European Regulations:

European Union (EINECS, ELINCS or NLP):		99.76% (by Wt) of the components are listed or exempt. The following components are NOT on the List:
Cresols	0.1 - 1.0 %	Cresols (used to track Ingredient Type/Class)
Phenols	0.1 - 1.0 %	Total Phenol Materials

Additional Asian Regulations:

Australian AICS:	100.00% (by Wt) of the ingredients on AICS or notified.
Chinese IECS:	99.76% (by Wt) of the ingredients on IECS.
Japan ENCS:	99.56% (by Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.
Korea KECL:	99.31% (by Wt) of the ingredients on KECL, fall within the 100 kilogram per annum exemption or have been notified.
New Zealand NZloc:	100.00% (by Wt) of the ingredients on NZloc.
Philippines PICCS:	100.00% (by Wt) of the ingredients on PICCS.

The Status of the following ingredient(s) is NOT known for the registration lists noted;

Lists noted within <> brackets after name

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120-11-6	204-370-6	0.01 - 0.1%	Isoeugenyl benzyl ether : < KECL>
2882-20-4	220-736-8	0.01 - 0.1%	2-Methyl-3-(methylthio)-pyrazine : < ENCS, KECL>
54982-83-1	259-423-6	0.1 - 1.0 %	Ethylene dodecanedioate : < KECL>
20665-85-4	243-956-6	0.01 - 0.1%	Vanillin isobutyrate : < ENCS, KECL>
94-86-0	202-370-0	0.01 - 0.1%	Propenylguaethol : < KECL>
121-98-2	204-513-2	0.01 - 0.1%	Methyl anisate : < KECL>
108-50-9	203-589-4	0.01 - 0.1%	2,6-Dimethylpyrazine : < KECL>
Crystal-Solids		0.01 - 0.1%	Total Crystal Count : < ENCS>
Cresols		0.1 - 1.0 %	Cresols (used to track Ingredient Type/Class) : < IECS, ENCS, KECL>
Phenols		0.1 - 1.0 %	Total Phenol Materials : < IECS, ENCS, KECL>

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk

(8.34) Skin Corrosion/Irritation, Category 3

(4.35) Aquatic Chronic Toxicity, Category 3

(TFV) Risk

(1.76) Eye Damage/Eye Irritation, Category 2A

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Remarks

This safety data sheet is based on the properties of the material known to Natures Garden Fragrances™ 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 Natures Garden Fragrances™ holds no responsibility. This document is not intended for quality assurance purposes.