



PHONE: **440-647-0100** FAX: **440-647-0220** http://www.naturesgardencandles.com
E-mail address: info@naturesgardencandles.com

Safety Data Sheet

Product: Bergamot & Tarragon Leaves

Fragrance Oil

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

1.1 Product identifier

Trade Name: Bergamot & Tarragon Leaves 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

42109 State Route 18 Wellington, OH 44090

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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 4 H227: Combustible liquid

Acute Toxicity Oral, Category 5 H303: May be harmful if swallowed

Aspiration Hazard, Category 1 H304: May be fatal if swallowed and enters airways

Acute Toxicity Dermal, Category 5 H313: May be harmful in contact with skin

Skin Corrosion/Irritation, Category 2 H315: Causes skin irritation

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

Eye Damage/Eye Irritation, Category 2A H319: Causes serious eye irritation Acute Toxicity Inhalation, Category 5 H333: May be harmful if inhaled

Germ Cell Mutagenicity, Category 2 H341: Suspected of causing genetic defects

Carcinogenicity, Category 2 H351: Suspected of causing cancer Aquatic Acute Toxicity, Category 1 H400: Very Toxic to aquatic life

Aquatic Chronic Toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects

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

N Dangerous for the Environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Xi Irritant

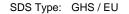
R38: Irritating to skin

R43: May cause sensitization by skin contact

Xn Harmful

R22: Harmful if swallowed

R40 : Limited evidence of a carcinogenic effect R65 : Harmful: may cause lung damage if swallowed



use



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Product: Bergamot & Tarragon Leaves Fragrance Oil

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms







Signal Word: Danger

Hazard statements

H227	Combustible liquid
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

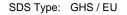
Precautionary Statements

Prevention:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P235	Keep cool
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required

Res

S	sponse:	
	P301 + P310 + P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting
	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
	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 or concerned: Get medical advice/attention
	P312	Call a POISON CENTER or doctor/physician if you feel unwell
	P313	Get medical advice/attention
	P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
	P337 + P313	If eye irritation persists: Get medical advice/attention
	P362	Take off contaminated clothing and wash before reuse
	P363	Wash contaminated clothing before reuse
	P370 + P378	In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not a direct water jet on burning material





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Fragrance Oil

P391 Collect Spillage

2.3 Other Hazards

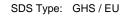
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3. Composition/Information on Ingredients

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
120-51-4	204-402-9	40 - 50 %	H302; H313; H400; H411	N - R51/53; Xn - R22
Benzyl Be	nzoate			
78-70-6	201-134-4	10 - 20 %	H227; H303; H315; H319; H402	Xi - R38
Linalool				
64742-48-9	265-150-3	5 - 10 %	H304	Xn - R65
Naphtha,	petroleum, hydro	otreated heavy		
32210-23-4	250-954-9	5 - 10 %	H303; H317; H401	N - R51/53; Xi - R43
4-tert-Buty	/lcyclohexyl acet	ate		
68647-72-3	232-433-8	2 - 5 %	H226; H304; H315; H317; H400; H410	R10; N - R50/53; Xi - R38, R43;
Citrus aur	antium var. dulci	s		Xn - R65
68917-33-9 Lemon oil	284-515-8 terpenes	2 - 5 %	H226; H304; H315; H400; H410	R10; N - R50/53; Xi - R38, R43; Xn - R65
106-24-1	203-377-1	2 - 5 %	H303; H315; H317; H318; H401	Xi - R38, R41, R43
Geraniol				
98-55-5	202-680-6	2 - 5 %	H227; H303; H315; H319; H401	Xi - R36, R38
alpha-Ter	oineol			
14901-07-6	238-969-9	1 - 2 %	H316; H401; H411	N - R51/53
beta-lonoi	ne			
32388-55-9	251-020-3	1 - 2 %	H316; H317; H400; H410	N - R50/53; Xi - R43
Acetyl ced	lrene			
128-37-0	204-881-4	1 - 2 %	H316; H400; H410	N - R50/53
Butylated	hydroxytoluene			
103-95-7	203-161-7	1 - 2 %	H227; H303; H315; H317; H401; H412	N - R51/53; Xi - R38, R43
2-Methyl-3	3-(p-isopropylphe	enyl)propionalde	hyde	
68737-61-1	272-113-5	1 - 2 %	H227; H303; H313; H315; H317; H319;	R52/53; Xi - R36, R38, R43
Dimethylte	etrahydro Benald	lehyde	H402; H412	
5392-40-5	226-394-6	1 - 2 %	H313; H315; H317; H319; H401	Xi - R38, R43
Citral				
101-86-0	202-983-3	1 - 2 %	H303; H316; H317; H400; H411	Xi - R38, R43
Hexyl cinr	namaldehyde			
106-25-2	203-378-7	1 - 2 %	H303; H315; H317; H319; H402	Xi - R36, R38, R43
Nerol				





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Fragrance Oil

CAS# Ingredient	EC#	Conc. Range	GHS Classification	EU Classification
1335-66-6 IsoCycloCi	215-638-7 itral	1 - 2 %	H227; H303; H316; H317; H319; H402; H412	R52/53; Xi - R36, R43
8016-88-4 <i>Estragon o</i>	290-356-5 oil (Artemisia drad	1 - 2 % cunculus L.)	H227; H302; H304; H316; H341; H351; H401; H411	R66; N - R51/53; Xi - R43; Xn - R22, R40, R65, R68
101-48-4 <i>PHENYLA</i>	202-945-6 CETALDEHYDE	1 - 2 % DIMETHYL ACE	H227; H303; H316; H319 ETAL	Xi - R36
104-55-2 <i>Cinnamal</i>	203-213-9	0.1 - 1.0 %	H303; H312; H315; H317; H319; H401	Xi - R38, R43; Xn - R21

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 13.37

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

Refer to Section 2.2 "Hazard Statements" Risks: 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



SDS Type: GHS / EU



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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.

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 plastic and uncoated metal container. Keep air contact to a minimum.

Specific end uses 7.3

No information available

Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

ACGIH ACGIH OSHA OSHA Component TWA ppm STELppm TWAppm STELppm

128-37-0 2 Butylated hydroxytoluene

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.

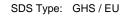
9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Conforms to Standard Odor: Conforms to Standard Color: Colorless to Pale Yellow

Viscosity: Liquid

Freezing Point: Not determined **Boiling Point:** Not determined **Melting Point:** Not determined Flashpoint: 170 F (76.66 C)





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Auto flammability: Not determined Explosive Properties: None Expected Oxidizing properties: None Expected

 Vapor Pressure (mmHg@20 C):
 0.152

 %VOC:
 17.85

 Specific Gravity @ 25 C:
 0.9800

 Density @ 25 C:
 0.9770

 Refractive Index @ 20 C:
 1.5115

Soluble in: Not determined

10. Stability and Reactivity

10.1 Reactivity None10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known10.4 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: 2,105.49) May be harmful if swallowed

Acute toxicity - Dermal - mg/kg (LD50: 3,983.87) May be harmful in contact with skin

Acute toxicity - Inhalation - mg/L/4hr (LC50: 53.74) May be harmful if inhaled

Skin corrosion / irritation Causes skin irritation

Serious eye damage / irritation Causes serious eye irritation

Respiratory sensitization Not classified - the classification criteria are not met

Skin sensitizationMay cause an allergic skin reactionGerm cell mutagenicitySuspected of causing genetic defects

Carcinogenicity Suspected of causing cancer

Reproductive toxicity

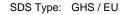
Not classified - the classification criteria are not met

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Aspiration hazard May be fatal if swallowed and enters airways





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12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity Very Toxic to aquatic life

Chronic aquatic 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 degradabilityno data available12.3 Bioaccumulative potentialno data available12.4 Mobility in soilno data available12.5 Other adverse effectsno 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	s Goods	
ADR/RID (International Road	l/Rail)				
Environmentally Hazardous Liquid, n.o.s. IATA (Air Cargo)	Substance,	9	III		UN3082
Environmentally Hazardous Liquid, n.o.s. IMDG (Sea)	Substance,	9	III		UN3082
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III		UN3082

15. Regulatory Information

Additional European Regulations:

European Union (EINECS, ELINCS or NLP): 100.07% (by Wt) of the components are listed or exempt.

Additional Asian Regulations:

Australian AICS: 100.00% (by Wt) of the ingredients on AICS or notified.

Chinese IECS: 100.00% (by Wt) of the ingredients on IECS.





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Japan ENCS:

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99.66% (by Wt) of the ingredients on ENCS, fall within the 1000

kilogram per annum exemption or have been notified.

Korea KECL: 99.50% (by Wt) of the ingredients on KECL, fall within the 100 kilogram

per annum exemption or have been notified.

New Zealand NZIoC: 99.60% (by Wt) of the ingredients on NZIoc. 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

7493-57-4	231-327-9	0.1 - 1.0 %	Propyl phenethyl acetal : < KECL>
6485-40-1	229-352-5	0.1 - 1.0 %	I-Carvone : < KECL>
67633-96-9	266-797-4	0.01 - 0.1%	cis-3-Hexenyl methyl carbonate : < ENCS>
8007-35-0	232-357-5	0.1 - 1.0 %	Terpineol acetate : < NZIoC>
68966-86-9	273-453-7	0.1 - 1.0 %	Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate : < ENCS, KECL>
56973-85-4	260-486-7	0.01 - 0.1%	1-(5.5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one : < ENCS>

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk	(TFV) Risk
(1.44) Aspiration Hazard, Category 1	(3.13) Skin Corrosion/Irritation, Category 2
(3.00) Sensitization, Skin, Category 1A	(4.70) Eye Damage/Eye Irritation, Category 2A
(1.10) Germ Cell Mutagenicity, Category 2	(1.10) Carcinogenicity, Category 2
(2.35) Aquatic Acute Toxicity, Category 1	(6.82) Aquatic Chronic Toxicity, Category 2

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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.