

SDS Type: GHS / EU



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: Vetiver Fragrance

Oil

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

1.1 Product identifier

Trade Name: Vetiver 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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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

Acute Toxicity Oral, Category 4 H302: 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 3

Acute Toxicity Inhalation, Category 5

Aquatic Acute Toxicity, Category 1

H316: Causes mild skin irritation

H333: May be harmful if inhaled

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

Xn Harmful

R22: Harmful if swallowed

R65: Harmful: may cause lung damage if swallowed

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms







Signal Word: Danger





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Hazard statements

H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H333	May be harmful if inhaled
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P273 Avoid release to the environment

Response:

P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT

induce vomiting

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

P330 Rinse mouth

P332 + P313 If skin irritation occurs: Get medical advice/attention

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	EU Classification	
120-51-4	204-402-9	> 80 %	H302; H313; H400; H411	N - R51/53; Xn - R22	
Benzyl Benzoate					
8000-27-9	285-370-3	10 - 20 %	H304; H316; H400; H401; H410; H411	N - R50/53; Xn - R65	
Juniperus	s Virginiana Oil				
77-53-2	201-035-6	1 - 2 %	H227; H316; H401; H411	N - R51/53	
Cedrol Crystals					

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 2.74



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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.





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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: 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: Conforms to Standard

Odor: Conforms to Standard

Color: Colorless to Pale Yellow

Viscosity: Liquid

Freezing Point:

Boiling Point:

Not determined

Melting Point:

Not determined

Not determined

Flashpoint:

>200 F (93.33 C)

Auto flammability:

Not determined

Explosive Properties:

None Expected

Oxidizing properties:

 Vapor Pressure (mmHg@20 C):
 0.0043

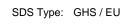
 %VOC:
 1.6404

 Specific Gravity @ 25 C:
 1.0885

 Density @ 25 C:
 1.0855

 Refractive Index @ 20 C:
 1.5535

Soluble in: Not determined





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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: 1,649.24) Harmful if swallowed

Acute toxicity - Dermal - mg/kg (LD50: 3,939.83) May be harmful in contact with skin

Acute toxicity - Inhalation - mg/L/4hr (LC50: 661.52) May be harmful if inhaled

Skin corrosion / irritation Causes mild skin irritation

Serious eye damage / irritation

Respiratory sensitization

Not classified - the classification criteria are not met
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Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met

Aspiration hazard May be fatal if swallowed and enters airways

12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity Very Toxic to aquatic life

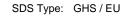
Chronic aquatic toxicity

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





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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 U.S. DOT (Non-Bulk) Chemicals NOI ADR/RID (International Road	1/Rail)	Class Not Regulated	Pack Group - Not Dangerous	Sub Risk Goods	UN-nr.
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): 100.00% (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.

Japan ENCS: 99.42% (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: 99.50% (by Wt) of the ingredients on NZIoc.

Philippines PICCS: 99.50% (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

68901-15-5 272-657-3 0.01 - 0.1% Allyl (cyclohexyloxy)acetate : < ENCS>

56973-85-4 260-486-7 <= 70 ppm 1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one : < ENCS>

141773-73-1 415-490-5 0.1 - 1.0 % 2-(1-(3',3'-Dimethyl-1'-cyclohexyl)ethoxy)-2-methyl propyl propanoate : <

ENCS, KECL>





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16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

Department E-mail address:

(TFV) Risk (TFV) Risk

(1.16) Aspiration Hazard, Category 1 (1.50) Skin Corrosion/Irritation, Category 3 (3.78) Aquatic Acute Toxicity, Category 1 (8.47) Aquatic Chronic Toxicity, Category 2

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.

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