



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

Safety Data Sheet

Product: Lily of the Valley Fragrance Oil

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

1.1 Product identifier

Trade Name: Lily of the Valley 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

PHONE: 440-647-0100 FAX: 440-647-0220 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

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 2 H315: Causes skin irritation

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

Eye Damage/Eye Irritation, Category 1 H318: Causes serious eye damage Acute Toxicity Inhalation, Category 5 H333: May be harmful if inhaled

Reproductive Toxicology, Category 2 H361: Suspected of damaging fertility or the unborn child

Target Organ Systemic Toxicity - Single H371: May cause damage to organs

Exposure, Category 2

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

R62: Possible risk of impaired fertility

Repr Cat 3: Category 3 Reproductive Toxins

2.2 Label elements





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Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms









Signal Word: Danger

Hazard statements

H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H333	May be harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs

H400 Very Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

Collect Spillage

Precautionary Statements

Prevention:

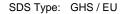
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required
P281	Use personal protective equipment as required

Response:

95	sponse:	
	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
	P309	IF exposed or you feel unwell:
	P310	Immediately call a POISON CENTER or doctor/physician
	P311	Call a POISON CENTER or doctor/physician
	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
	P362	Take off contaminated clothing and wash before reuse
	P363	Wash contaminated clothing before reuse

P391 **2.3 Other Hazards**

no data available





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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		40 - 30 %	11302, 11313, 11400, 11411	N - N3 1/33, All - N22
101-86-0	202-983-3	10 - 20 %	H303; H316; H317; H400; H411	Xi - R38, R43
	amaldehyde	.0 20 70	1,000, 1,010, 1,017, 1,1100, 1,111	711 1100, 1110
80-54-6	201-289-8	5 - 10 %	H227; H302; H315; H317; H361; H401;	N - R51/53; Xi - R38, R43; Xn -
	yl Methylpropion		H411	R22, R62, Repr Cat 3
106-22-9	203-375-0	5 - 10 %	H303; H313; H315; H317; H319; H401	N - R51/53; Xi - R38, R43
Citronellol				
60-12-8	200-456-2	5 - 10 %	H302; H313; H316; H319	Xi - R36; Xn - R22
phenethyl	alcohol			
106-24-1	203-377-1	2 - 5 %	H303; H315; H317; H318; H401	Xi - R38, R41, R43
Geraniol				
118-58-1	204-262-9	2 - 5 %	H303; H317; H320; H371; H401; H412	N - R51/53; Xi - R43
Benzyl Sa	licylate			
38285-49-3	253-863-2	2 - 5 %	H316	
5-Methyl-3	B-butyltetrahydro	pyran-4-yl acetai	te	
140-11-4	205-399-7	2 - 5 %	H303; H316; H401; H412	
Benzyl ace				
31906-04-4	250-863-4	2 - 5 %	H317; H402	Xi - R43
		exene carboxalde		
106-25-2	203-378-7	1 - 2 %	H303; H315; H317; H319; H402	Xi - R36, R38, R43
Nerol				
100-51-6	202-859-9	1 - 2 %	H302; H313; H319; H332	Xi - R36; Xn - R20, R22
Benzyl Ald				\". 5 00
78-70-6	201-134-4	1 - 2 %	H227; H303; H315; H319; H402	Xi - R38
Linalool	0044404	4 0 0/	11007 11045 11040 11404 11400	V'. D00
115-95-7	204-116-4	1 - 2 %	H227; H315; H319; H401; H402	Xi - R38
Linalyl ace		4 0 0/	11045 11047 11404 11440	N. D54/50 V: D00 D40
105-87-3	203-341-5	1 - 2 %	H315; H317; H401; H412	N - R51/53; Xi - R38, R43
Geranyl ad		4 2 0/	H246, H400, H440	N DE0/52
128-37-0	204-881-4	1 - 2 %	H316; H400; H410	N - R50/53
bulylated i	hydroxytoluene			

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.01



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SDS Type: GHS / EU

Product: Lily of the Valley Fragrance Oil

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.

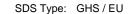
6.4 Reference to other sections

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:

Component			ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm	
140-11-4	Benzyl acetate	10				
128-37-0	Butylated hydroxytoluene	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: Colorless to Pale Yellow

Viscosity: Liquid

Freezing Point:

Boiling Point:

Not determined

Not determined

Not determined

Not determined

Not determined

Not determined

Flashpoint:

>200 F (93.33 C)

Auto flammability:

Not determined

None Expected

Oxidizing properties:

None Expected

 Vapor Pressure (mmHg@20 C):
 0.0095

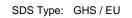
 %VOC:
 2.3325

 Specific Gravity @ 25 C:
 1.0150

 Density @ 25 C:
 1.0120

 Refractive Index @ 20 C:
 1.5300

 Soluble in:
 Oil





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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: 2,015.12) May be harmful if swallowed

Acute toxicity - Dermal - mg/kg (LD50: 3,009.04) May be harmful in contact with skin

Acute toxicity - Inhalation - mg/L/4hr (LC50: 44.48) May be harmful if inhaled

Skin corrosion / irritation Causes skin irritation

Serious eye damage / irritation Causes serious eye damage

Respiratory sensitizationNot classified - the classification criteria are not met

Skin sensitization May cause an allergic skin reaction

Germ cell mutagenicityNot classified - the classification criteria are not metCarcinogenicityNot classified - the classification criteria are not metReproductive toxicitySuspected of damaging fertility or the unborn child

Specific target organ toxicity - single exposure May cause damage to organs

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

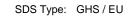
Very Toxic to aquatic life

Chronic aquatic toxicity

Toxic to aquatic life with long lasting effects

Toxicity Data on soilno data availableToxicity on other organismsno 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	I/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: 97.50% (by Wt) of the ingredients on ENCS, fall within the 1000

kilogram per annum exemption or have been notified.

Korea KECL: 97.45% (by Wt) of the ingredients on KECL, fall within the 100 kilogram

per annum exemption or have been notified.

New Zealand NZIoC: 100.00% (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

38285-49-3 253-863-2 2 - 5 % 5-Methyl-3-butyltetrahydropyran-4-yl acetate : < ENCS, KECL>

Crystal-Solids 0.01 - 0.1% Total Crystal Count : < KECL>





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16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk

(2.35) Skin Corrosion/Irritation, Category 2

(1.57) Eye Damage/Eye Irritation, Category 1

(3.02) Target Organ Systemic Toxicity - Single Exposure,

Category 2

(2.99) Aquatic Chronic Toxicity, Category 2

(TFV) Risk

(16.81) Sensitization, Skin, Category 1B

(2.33) Reproductive Toxicology, Category 2

(2.33) Aquatic Acute Toxicity, Category 1

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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.