

7820 E. Pleasant Valley Road
 Independence, OH 44131
 (800) 908-7028
www.crafters-choice.com

Crafter's Choice™ Verbena* Fragrance Oil

Page 1 of 8
 2016-03-10

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

1.1 Product identifier

Crafter's Choice™ Verbena* 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

Crafter's Choice Brands, LLC
 7820 E. Pleasant Valley Road
 Independence, Ohio 44131
 Phone: 1-800-908-7028
www.Crafters-Choice.com

1.4 Emergency telephone number (ChemTel - MIS3548100)

(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 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 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
Aquatic Chronic Toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability	Class IIIA Combustible Liquid
Acute Dermal/Eye	12 : Causes
	16 : Causes
Acute Inhalation	24 : Causes respiratory tract irritation.
	25 : Inhalation at high levels may cause: headache
Acute Oral	3 : May be harmful if swallowed or if aspirated into the lungs
Genotoxicity	36 : Suspected of causing genetic defects
	32 : May cause light-induced allergic skin reaction.
Sensitization/Allergic Response	31 : May cause allergic skin reaction.
	32 : May cause light-induced allergic skin reaction.
Target Organ Effects	26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver, gastrointestinal tract, respiratory tract
	28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin

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**Crafter's Choice™ Verbena*
 Fragrance Oil**

Page 2 of 8
 2016-03-10

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 (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 |
| H318 | Causes serious eye damage |
| H333 | May be harmful if inhaled |
| H410 | Very toxic to aquatic life with long lasting effects |

Precautionary Statements

Prevention:

- | | |
|------|---|
| 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 |

Response:

- | | |
|--------------------|--|
| 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 |
| P310 | Immediately 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 |
| 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 |
| P391 | Collect Spillage |

2.3 Other Hazards

no data available

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Crafter's Choice™ Verbena* Fragrance Oil

Page 3 of 8
2016-03-10

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	OSHA Classification
68647-72-3 <i>Citrus aurantium var. dulcis</i>	232-433-8	10 - 20 %	H226; H304; H315; H317; H400; H410	12, 3, 31
5392-40-5 <i>Citral</i>	226-394-6	10 - 20 %	H313; H315; H317; H319; H401	26
68917-33-9 <i>Lemon oil terpenes</i>	284-515-8	10 - 20 %	H226; H304; H315; H400; H410	12, 3, 31
101-86-0 <i>Hexyl cinnamaldehyde</i>	202-983-3	10 - 20 %	H303; H316; H317; H400; H411	11, 15
24851-98-7 <i>Methylidihydrojasmonate</i>	246-495-9	5 - 10 %	H402	
106-24-1 <i>Geraniol</i>	203-377-1	5 - 10 %	H303; H315; H317; H318; H401	11, 15, 31
106-22-9 <i>Citronellol</i>	203-375-0	2 - 5 %	H303; H313; H315; H317; H319; H401	11, 15
8007-02-1 <i>Cymbopogon schoenanthus oil</i>	289-752-0	2 - 5 %	H227; H303; H315; H318; H401; H411	11, 31, 36
106-25-2 <i>Nerol</i>	203-378-7	2 - 5 %	H303; H315; H317; H319; H402	15
8008-56-8 <i>Citrus medica limonum (Lemon) peel oil</i>	284-515-8	2 - 5 %	H226; H304; H315; H400; H410	12, 3, 31, 32
115-95-7 <i>Linalyl acetate</i>	204-116-4	1 - 2 %	H227; H315; H319; H401; H402	
78-70-6 <i>Linalool</i>	201-134-4	1 - 2 %	H227; H303; H315; H319; H402	12, 26
127-91-3 <i>β-Pinene</i>	204-872-5	1 - 2 %	H226; H304; H315; H317	11, 15, 24, 25, 31
120-51-4 <i>Benzyl Benzoate</i>	204-402-9	1 - 2 %	H302; H313; H400; H411	28, 3
8000-29-1 <i>Cymbopogon Nardus (Citronella) Oil</i>	289-753-6	0.1 - 1.0 %	H227; H303; H304; H313; H315; H318; H341; H351; H401; H411	

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 31.51

Crafter's Choice™ Verbena* 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"
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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

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.

Crafter's Choice™ Verbena* Fragrance Oil

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	ACGIH	OSHA	OSHA
	TWA ppm	STEL ppm	TWA ppm	STEL ppm
127-91-3 <i>β-Pinene</i>				20

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:	Yellow Tint to Pale Yellow (G1-2)
Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint (CCCFP):	156 F (68.89 C)
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	0.3658
%VOC:	32.298
Specific Gravity @ 25 C:	0.8930
Density @ 25 C:	0.8900
Refractive Index @ 20 C:	1.4790
Soluble in:	Oil

Crafter's Choice™ Verbena*
Fragrance 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: 3,846.15) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 3,831.42) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LC50: 37.75) May be harmful if inhaled
Skin corrosion / irritation	Causes skin irritation
Serious eye damage / irritation	Causes serious eye damage
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	May be fatal if swallowed and enters airways

12. Ecological Information**12.1 Toxicity**

Acute aquatic toxicity	Not classified - the classification criteria are not met
Chronic aquatic toxicity	Very 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

**Crafter's Choice™ Verbena*
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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	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated - Not Dangerous Goods			
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 0.1 - 1.0 % beta-Myrcene (NFS)

Canadian Regulations:

DSL / NDSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk	(TFV) Risk
(3.18) Aspiration Hazard, Category 1	(6.87) Skin Corrosion/Irritation, Category 2
(16.39) Sensitization, Skin, Category 1B	(3.39) Eye Damage/Eye Irritation, Category 1
(1.18) Aquatic Chronic Toxicity, Category 1	

**Crafter's Choice™ Verbena*
Fragrance Oil**Page 8 of 8
2016-03-10

Remarks

This safety data sheet is based on the properties of the material known to Crafter's Choice™ 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 Crafter's Choice™ holds no responsibility. This document is not intended for quality assurance purposes.