

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

**Crafter's Choice™ Dulce de Leche -
 Sweetened Flavor Oil**

1. Identification

Product Name: Crafter's Choice™ Dulce de Leche - Sweetened Flavor Oil

Recommended Use: Flavor for Manufacturing use only

Supplied by: Crafter's Choice Brands, LLC
 7820 E. Pleasant Valley Road
 Independence, OH 44131
 (800) 908-7028
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Reason for Revision: Updated Information - Supersedes 05/29/2015

In Case of Emergency: ChemTel
 (800) 255-3924 Domestic USA, Canada, Puerto Rico and USVI
 +1 813 248-0585 International

2. Hazards Identification

GHS Classification

No GHS Classifications were found

Symbol(s) of Product

No GHS Symbols Exist

Signal Word:

No Signal Word has been assigned

Possible Hazards

2% of the mixture consists of ingredients of unknown acute toxicity

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Benzyl benzoate	120-51-4	2.5-10	GHS07	H302
Vanillin	121-33-5	2.5-10	GHS07	H302-319
BENZYL ALCOHOL	100-51-6	2.5-10	GHS07	H302-312-332
Acetyl methyl carbinol	513-86-0	0.1-1.0	GHS02	H226
Benzaldehyde	100-52-7	0.1-1.0	GHS07	H302-312
Butyric acid	107-92-6	<0.1	GHS05-GHS07	H302-314
Acetic acid	64-19-7	<0.1	GHS02-GHS05-GHS07	H226-312-314-332
2,3-Pentanedione	600-14-6	<0.1	GHS02-GHS05- GHS07-GHS08	H225-317-318-373

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

Additional GHS Statements:

2,3-Pentanedione: H313-303-316
 Acetic acid: H290-303-317-318-331-334-370
 Acetyl methyl carbinol: H315-319-335
 Benzaldehyde: H316
 Butyric acid: H311-318-371

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4. First Aid Measures

FIRST AID - INHALATION: Remove to fresh air and seek medical assistance if necessary.

FIRST AID - SKIN CONTACT: Remove contaminated clothing and shoes. Wash with mild soap and water. Seek medical attention if necessary.

FIRST AID - EYE CONTACT: Remove contact lenses. Flush eyes with cool water for at least 15 minutes. If irritation persists, seek medical attention.

FIRST AID – INGESTION: Rinse mouth. Do not induce vomiting. Drink water. Consult a physician.

5. Fire Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SUITABLE EXTINGUISHING MEDIA: Water spray/mist, Foam, Carbon Dioxide (CO₂), and Dry Chemical. Water may be used to cool off containers.

UNSUITABLE EXTINGUISHING MEDIA: Do not use a solid water stream as it may scatter and spread fire.

6. Accidental Release Measures

PRECAUTIONARY MEASURES: Ensure adequate ventilation. Use personal protective equipment. Evacuate personnel to safe areas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Avoid breathing vapors, mist or gas. For personal protection see section 8.

ENVIRONMENTAL MEASURES: Do not let product enter drain. Prevent further leakage or spillage if safe to do so.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Contain material. Collect using solid absorbent material and place into appropriate waste container for disposal according to local regulations (See section 13). Keep in suitable, closed containers for disposal.

7. Handling and Storage

HANDLING: For industrial use only. Use with adequate ventilation. Keep away from heat and flame.

STORAGE: Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Proper ventilation, engineering controls, such as local exhaust ventilation, and if necessary, a NIOSH certified respirator with appropriate cartridges is highly recommended.

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SKIN PROTECTION: Chemical resistant gloves recommended.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing your hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Appearance:	Clear liquid	Physical State:	Liquid
Odor:	Conforms to Standard	Odor Threshold:	Not Established
Specific Gravity (typical):	0.98	pH:	Not Measured
Freeze Point, °C:	Not Applicable	Viscosity:	Not Measured
Solubility in Water:	INSOLUBLE	Partition Coefficient, n-octanol/water:	Not Measured
Decomposition Temp, °C:	Not Measured	Explosive Limits, %:	Not Measured
Initial Boiling Point, °C:	36	Flash Point, °C / °F (Closed Cup):	>93 / >200
Evaporation Rate:	Not Measured	Auto-Ignition Temperature, °C:	Not Measured
Vapor Density:	Not Measured	Vapor Pressure, mmHg:	Not Measured

10. Stability and Reactivity

STABILITY: Material is stable under normal conditions.

REACTIVITY: The product is non-reactive under normal conditions of use, storage, and transport.

CONDITIONS TO AVOID: Heat, flames and sparks. Extremes of temperature and direct sunlight.

INCOMPATIBILITY: Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated, may produce unpleasant fumes and/or smoke. Combustion may produce Carbon Monoxide and/or Carbon Dioxide.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known under conditions of normal use.

11. Toxicological Information

EFFECT OF OVEREXPOSURE - INHALATION: No adverse effects due to inhalation are expected under normal use.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Not expected to cause skin problems under normal use conditions.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Not expected to cause eye problems under normal use conditions.

EFFECT OF OVEREXPOSURE - INGESTION: Under normal use conditions, this product is not expected to cause adverse health effects.

CARCINOGENICITY: This product does not contain any carcinogenic substances as classified by IARC, NTP, ACGIH or OSHA.

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PRIMARY ROUTE(S) OF ENTRY

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS Number</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
120-51-4	Benzyl benzoate	500 mg/kg Rat	4000 mg/kg Rabbit	N.I.
121-33-5	Vanillin	1580 mg/kg Rat	>5010 mg/kg Rabbit	5000
100-51-6	BENZYL ALCOHOL	1230 mg/kg Rat	2000 mg/kg Rabbit	4190 mg/L Rat
513-86-0	Acetyl methyl carbinol	>5000 mg/kg Rat	N.I.	N.I.
100-52-7	Benzaldehyde	1292 mg/kg Rat	>1250 mg/kg Rabbit	N.I.
107-92-6	Butyric acid	2000 mg/kg Rat	N.I.	N.I.
64-19-7	Acetic acid	3310 mg/kg Rat	1060 mg/kg Rabbit	11.4 mg/L Rat
600-14-6	2,3-Pentanedione	3000 mg/kg Rat	N.I.	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Normal recommended use releases little of the product to the environment. Responsible manufacturing applications should include provisions for spill containment and measures to control loss of volatiles.

13. Disposal Information

DISPOSAL METHOD: Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with material or used container. Dispose of material in accordance with applicable federal, state and local regulations.

14. Transport Information

Regulatory Information:	UN/NA Number:	Proper Shipping Name:	Class:	Packing Group:	Label:	Additional Info:
PHMSA / DOT	N/A	N/A	N/A	N/A	N/A	Not Regulated per 49 CFR 172.101
ICAO / IATA	N/A	N/A	N/A	N/A	N/A	Not Regulated per 49 CFR 172.101
IMO / IMDG	N/A	N/A	N/A	N/A	N/A	Not Regulated per 49 CFR 172.101
CANUTEC / TDG	N/A	N/A	N/A	N/A	N/A	Not Regulated per 49 CFR 172.101
ADR / RID	N/A	N/A	N/A	N/A	N/A	Not Regulated per 49 CFR 172.101

15. Regulatory Information

Please contact the Customer Service Department for specific Regulation Information.

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16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Crafter's Choice Brands, LLC and its Affiliates shall not be held liable for any damage resulting from the handling or from contact with the above product.