


## Section 1: Identification

<b>Common Name/Trade Name</b>	Cherry Flavor Concentrate	
<b>Supplier Information</b>	Letco Medical 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Product Synonym(s)</b>	N/A	
<b>Relevant Use(s) of Product</b>	Flavoring	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Flam. Liq. 3 H226, Aquatic Acute 2 H401	
<b>Signal Word</b>	Warning	
<b>Hazard Statement(s)</b>	H226 H401	Flammable liquid and vapour Toxic to aquatic life
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	P210 P233 P235 P240 P241 P242 P243 P273 P280 P303+P353+P361 P370+P378 P403 P501	Keep away from heat/sparks/open flames/hot surfaces â€” No smoking. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/light/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair) Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. In case of fire Use [EXTINGUISHING MEDIA] for extinction. Store in a well ventilated place. Dispose of contents/container to an approved waste disposal plant.
<b>Hazards Not Otherwise Classified</b>	No additional information available	
<b>Ingredient(s) with Unknown Toxicity</b>	Not applicable	

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	N/A	
<b>Common Name</b>	Cherry Flavor Concentrate	
<b>CAS Number</b>	N/A	
<b>Additional Ingredient Information</b>	The specific chemical identities of the ingredients in this mixture, as well as, exact concentrations of any hazardous ingredients stated above, are considered trade secrets. This information is withheld in accordance with the provisions of 1910.1200 of the Code of Federal Regulations.	
<b>Material</b>	<b>Percent</b>	<b>CAS</b>
Proprietary Flavor Ingredient - P226	24.54 - 29.56	N/A
Proprietary Flavor Ingredient - 785	> 0	N/A
<b>Impurities and/or Stabilizing Additives</b>	No data available	

## Section 4: First Aid Measures

<b>General Advice</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
<b>If Inhaled</b>	Allow victim to breathe fresh air. Allow the victim to rest.
<b>In Case of Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>In Case of Eye Contact</b>	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
<b>If Swallowed</b>	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
<b>Most Important Symptoms and Effects</b>	Not expected to present a significant hazard under anticipated conditions of normal use.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Foam. Dry powder. Carbon dioxide. Water spray. Sand. Do not use a heavy water stream. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
<b>Special Hazards Arising From the Substance/Mixture</b>	Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
<b>Special PPE and/or Precautions for Firefighters</b>	Do not enter fire area without proper protective equipment, including respiratory protection.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Equip cleanup crew with proper protection.
<b>Methods and Materials Used for Containment</b>	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Evacuate unnecessary personnel. Ventilate area.
<b>Cleanup Procedures</b>	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Evacuate unnecessary personnel. Ventilate area.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Handle empty containers with care because residual vapors are flammable. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.
<b>Conditions for Safe Storage</b>	Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	No data available
<b>Appropriate Engineering Controls</b>	Avoid all unnecessary exposure. Do not eat, drink or smoke during use.
<b>PPE - Eye/Face Protection</b>	Chemical goggles or safety glasses.
<b>PPE - Skin Protection</b>	Wear eye protection and protective gloves. protective gloves.
<b>PPE - Body Protection</b>	Wear eye protection and protective gloves. protective gloves.
<b>PPE - Respiratory Protection</b>	Wear appropriate mask.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	characteristic
<b>Vapor Pressure</b>	No data available
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	No data available
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	No data available
<b>Solubility</b>	Miscible with water. Water: N/A
<b>Initial Boiling Point and Boiling Range</b>	No data available
<b>Flash Point</b>	75 °F
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	No data available
<b>Auto-Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No additional information available
<b>Chemical Stability</b>	Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
<b>Possibility of Hazardous Reactions</b>	Not established.
<b>Conditions to Avoid</b>	Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
<b>Incompatible Materials</b>	Strong acids. Strong bases.
<b>Hazardous Decomposition Products</b>	fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Proprietary Flavor Ingredient - P169 LD50 oral rat 13000 mg/kg (Rat), ATE US (oral) 13000.000 mg/kg body weight Proprietary Flavor Ingredient - P178 LD50 oral rat 12210 mg/kg (Rat) ATE US (oral) 12210.000 mg/kg body weight Proprietary Flavor Ingredient - P181 LD50 oral rat 5470 mg/kg (Rat) ATE US (oral) 5470.000 mg/kg body weight Proprietary Flavor Ingredient - P226 LD50 oral rat 1300 mg/kg (Rat), ATE US (oral) 1300.000 mg/kg body weight Proprietary Flavor Ingredient - p322 LD50 oral rat 20000 mg/kg (Rat; Experimental value), ATE US (oral) 20000.000 mg/kg body weight. Proprietary Flavor Ingredient - p324 LD50 oral rat 10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value), ATE US (oral) 10740.000 mg/kg body weight
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	Proprietary Flavor Ingredient - P169 LD50 dermal rabbit > 2000 mg/kg (Rabbit) Proprietary Flavor Ingredient - P226 LD50 dermal rat > 1250 mg/kg (Rat) LD50 dermal rabbit 5000 mg/kg (Rabbit), ATE US (dermal) 5000.000 mg/kg body weight Proprietary Flavor Ingredient - p322 LD50 dermal rat 22500 mg/kg (Rat; Experimental value) LD50 dermal rabbit 20800 mg/kg (Rabbit; Experimental value), ATE US (dermal) 20800.000 mg/kg body weight Proprietary Flavor Ingredient - p324 LD50 dermal rabbit > 16000 mg/kg (Rabbit; Literature study)
<b>Acute Toxicity - Eye</b>	No data available
<b>Skin Corrosion/Irritation</b>	Not classified
<b>Serious Eye Damage/Irritation</b>	Not classified
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Carcinogenicity IARC</b>	No data available
<b>Carcinogenicity ACGIH</b>	Not applicable
<b>Carcinogenicity NTP</b>	No data available
<b>Carcinogenicity OSHA</b>	Not applicable
<b>Reproductive Toxicity</b>	Not classified
<b>Specific Target Organ Toxicity - Single Exposure</b>	Not classified
<b>Specific Targer Organ Toxicity - Repeated Exposure</b>	Not classified
<b>Aspiration Hazard</b>	Not classified

## Section 12: Ecological Information

<b>Toxicity</b>	Ecology - water : Toxic to aquatic life. Proprietary Flavor Ingredient - P226 LC50 fish 1 1.1 mg/l (96 h; Lepomis macrochirus) EC50 Daphnia 1 50 mg/l (24 h; Daphnia magna) EC50 other aquatic organisms 1 534 mg/l (5 h; Bacteria; Activated sludge) LC50 fish 2 11.2 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) Threshold limit other aquatic organisms 1 132 mg/l (Pseudomonas putida) Threshold limit algae 1 100 mg/l (336 h; Chlorella sp.; Inhibitory) Threshold limit algae 2 34 mg/l (Scenedesmus quadricauda)
<b>Persistence and Degradability</b>	Cherry Flavor, Not established. Proprietary Flavor Ingredient - P226 Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biochemical oxygen demand (BOD) 1.62 g O2/g substance Chemical oxygen demand (COD) 1.98 g O2/g substance ThOD 2.42 g O2/g substance BOD (% of ThOD) 0.67 % ThOD
<b>Bio-accumulative Potential</b>	Cherry Flavor, Not established. Proprietary Flavor Ingredient - P226 BCF other aquatic organisms 1 4.2 - 7.8 (Estimated value) Log Pow 1.48 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).
<b>Mobility in Soil</b>	Proprietary Flavor Ingredient - P226 Surface tension 0.040 N/m (20 °C)
<b>Other Adverse Effects</b>	Effect on the global warming : No known ecological damage caused by this product. Other information : Avoid release to the environment.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant. Avoid release to the environment.
<b>Waste Treatment Methods Packaging</b>	Handle empty containers with care because residual vapors are flammable.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	UN1197
<b>UN Proper Shipping Name</b>	Extracts, flavoring, liquid
<b>Transport Hazard Class(es)</b>	3 - Flammable liquid
<b>Packaging Group</b>	III - Minor Danger
<b>Environmental Hazards</b>	No data available

## Section 15: Regulatory Information

Proprietary Flavor Ingredient - 785 Listed on the United States TSCA (Toxic Substances Control Act) inventory Proprietary Flavor Ingredient - P169 Listed on the United States TSCA (Toxic Substances Control Act) inventory Proprietary Flavor Ingredient - P178 Listed on the United States TSCA (Toxic Substances Control Act) inventory Proprietary Flavor Ingredient - P181 Listed on the United States TSCA (Toxic Substances Control Act) inventory Proprietary Flavor Ingredient - P226 Listed on the United States TSCA (Toxic Substances Control Act) inventory Proprietary Flavor Ingredient - p322 Listed on the United States TSCA (Toxic Substances Control Act) inventory Proprietary Flavor Ingredient - p324 Listed on the United States TSCA (Toxic Substances Control Act) inventory CANADA No additional information available EU-Regulations No additional information available Classification according to Regulation (EC) No. 1272/2008 [CLP] Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] Not classified Proprietary Flavor Ingredient - P169 U.S. - New Jersey - Right to Know Hazardous Substance List Proprietary Flavor Ingredient - P178 U.S. - New Jersey - Right to Know Hazardous Substance List Proprietary Flavor Ingredient - P226 U.S. - New Jersey - Right to Know Hazardous Substance List Proprietary Flavor Ingredient - p322 U.S. - New Jersey - Right to Know Hazardous Substance List Proprietary Flavor Ingredient - p324 U.S. - New Jersey - Right to Know Hazardous Substance List

## Section 16: Other Information

<b>Prepared By</b>	Scarlotte Smith
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