

## Section 1: Identification

<b>Common Name/Trade Name</b>	CAMPHOR SYNTHETIC	
<b>Supplier Information</b>	Letco Medical, LLC 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>	bornan-2-one	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Flammable solids (Category 2), Acute toxicity, Oral (Category 4), Acute toxicity, inhalation (Category 4), Specific target organ toxicity - single exposure (Category 2)	
<b>Signal Word</b>	Warning	
<b>Hazard Statement(s)</b>	H228 H302 H332 H371	Flammable solid Harmful if swallowed Harmful if inhaled May cause damage to organs
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	P210 P240 P241 P261 P264 P270 P271 P280 P301+P312 P302+P352  P304+P340 P312 P330 P370+P378 P405 P501	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/light/equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN Wash with soap and water. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. In case of fire Use carbon dioxide, dry chemical powder or appropriate foam for extinction. Store locked up. Dispose of contents/container to an approved waste disposal plant.
<b>Hazards Not Otherwise Classified</b>	No data available	
<b>Ingredient(s) with Unknown Toxicity</b>	No data available	

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	bornan-2-one
<b>Common Name</b>	Camphor Synthetic
<b>CAS Number</b>	76-22-2
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	Notes to physician: Treat symptoms.
<b>If Inhaled</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
<b>In Case of Skin Contact</b>	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.
<b>In Case of Eye Contact</b>	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek medical aid.
<b>If Swallowed</b>	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Most Important Symptoms and Effects</b>	No data available. Notes to physician: Treat symptoms.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Extinguishing media Suitable extinguishing media Carbon dioxide, dry chemical powder or appropriate foam. Unsuitable extinguishing media Not available.
<b>Special Hazards Arising From the Substance/Mixture</b>	Carbon oxides.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Use an individual protective equipment (waterproof boots, suitable protective clothing, and safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind.
<b>Methods and Materials Used for Containment</b>	Keep away from drains, surface and groundwater and soil.
<b>Cleanup Procedures</b>	Contain spilled material. Cover with an inert, non-combustible, inorganic absorbing material, or sweep up, and remove to an approved disposal container. Avoid open flames or other sources of ignition.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Apply according to good manufacturing and industrial hygiene practices with proper n. Do not drink, eat or smoke while handling. Respect good personal hygiene.
<b>Conditions for Safe Storage</b>	Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	Bornan-2-one CAS-No. 76-22-2 Value TWA Control parameters 2mg/m3. Basis- USA. Occupational Exposure Limits. (OSHA) Table Z-1 Limits for Air Contaminants. Value TWA Control parameters 2ppm. Basis- USA. ACGIH Threshold Limit Values (TLV). Remarks: Upper Respiratory irritation, Eye irritation, Anosmia, Not classifiable as a human carcinogen. Value: STEL Control parameters- 3 ppm Basis: USA ACGIH Threshold Limit Values (TLV) Value: Upper Respiratory Tract irritation Eye irritation, Anosmia, Not classifiable as a human carcinogen. Value: TWA Control parameters 2mg/m3 Basis: USA. NIOSH Recommended Exposure Limits. Value: TWA Control parameters: 2mg/m3 USA OSHA-TABLE Z-1 Limits for Air Contaminants-1910.1000.
<b>Appropriate Engineering Controls</b>	Ventilation: ensure good ventilation of the workstation. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>PPE - Eye/Face Protection</b>	Use safety glasses.
<b>PPE - Skin Protection</b>	Avoid skin contact. Use chemical resistant gloves and clothing as needed.
<b>PPE - Body Protection</b>	Avoid skin contact. Use chemical resistant gloves and clothing as needed.
<b>PPE - Respiratory Protection</b>	Avoid breath directly on the product. Apply local ventilations when appropriate.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Physical state: Solid. Form: Powder Colour: White
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	Characteristic odor
<b>Vapor Pressure</b>	0.65 mm Hg at 25 °C
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	No data available
<b>Relative Density</b>	0.992 at 25 °C
<b>Melting Point/Freezing Point</b>	180 °C
<b>Solubility</b>	Solubility (water) 1.5373 g/L at 25 °C
<b>Initial Boiling Point and Boiling Range</b>	204 °C
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	Flammable
<b>Partition Coefficient</b>	log Pow= 2.414 at 25 °C
<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>	Material is stable under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Incompatible materials. Avoid contact with heat, sparks, flames, or other sources of ignition.
<b>Incompatible Materials</b>	Oxidizers, naphthalene, dichlorobenzene, potassium permanganate, organic solvents, chromic anhydride, chlorates, salts.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	No data available
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	No data available
<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>	Not classified.
<b>Carcinogenicity ACGIH</b>	Not classified.
<b>Carcinogenicity NTP</b>	Not classified.
<b>Carcinogenicity OSHA</b>	Not classified.
<b>Reproductive Toxicity</b>	Not classified.
<b>Specific Target Organ Toxicity - Single Exposure</b>	May cause damage to organs( lungs)(Inhalation).
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Not classified
<b>Aspiration Hazard</b>	Not classified

## Section 12: Ecological Information

<b>Toxicity</b>	LC50 N/A 96h Fish OECD 203. EC50 N/A 48h Daphnia OECD 202. EC50 N/A 72h Algae OECD 201
<b>Persistence and Degradability</b>	Readily biodegradable.
<b>Bio-accumulative Potential</b>	log Pow= 2.414 at 25 Å°C
<b>Mobility in Soil</b>	log Koc= 2.0683
<b>Other Adverse Effects</b>	No known significant effects or critical hazards.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Waste Treatment Methods Packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<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>	2717
<b>UN Proper Shipping Name</b>	Camphor, Synthetic
<b>Transport Hazard Class(es)</b>	4.1
<b>Packaging Group</b>	III
<b>Environmental Hazards</b>	Marine Pollutant: No Poison Inhalation Hazard: No

## Section 15: Regulatory Information

bornan-2-one (76-22-2) is found on the following regulatory lists "US - Hawaii Air Contaminant Limits" List. "US - Idaho - Limits for Air Contaminants" List. "US - Alaska Limits for Air Contaminants" List. "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	02/05/2019 16:17

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