


Section 1: Identification	
<b>Common Name/Trade Name</b>	CALAMINE USP POWDER
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693
<b>Distributor Name</b>	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: <a href="mailto:bellacorp@bellacorp.com.au">bellacorp@bellacorp.com.au</a>
<b>Product Synonym(s)</b>	Calamine, zinc oxide, zinc monoxide
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances

Section 2: Hazards Identification	
<b>Classification of Substance or Mixture</b>	Acute hazards to the aquatic environment (Category 1), Chronic hazards to the aquatic environment (Category 1)
<b>Signal Word</b>	Warning
<b>Hazard Statement(s)</b>	H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects
<b>Pictogram(s)</b>	
<b>Precautionary Statement(s)</b>	P273 Avoid release to the environment. Collect spillage. P391 Dispose of contents/container to an approved waste disposal plant. P501
<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>	N/A	
<b>Common Name</b>	Calamine	
<b>CAS Number</b>	8011-96-9	
	<b>Material</b>	<b>Percent</b>
	Zinc Oxide	98 - 100
	Ferric Oxide	0.1- 1.0
		<b>CAS</b>
		1314-13-2
		1309-37-1
<b>Impurities and/or Stabilizing Additives</b>	No data available	

Section 4: First Aid Measures	
<b>General Advice</b>	Treat symptomatically.
<b>If Inhaled</b>	Remove person to fresh air and keep comfortable for breathing.
<b>In Case of Skin Contact</b>	Wash skin with plenty of water.
<b>In Case of Eye Contact</b>	Rinse eyes with water as a precaution.
<b>If Swallowed</b>	Call a poison center or a doctor if you feel unwell.
<b>Most Important Symptoms and Effects</b>	No additional information available. Treat symptomatically.

Section 5: Fire Fighting Measures	
<b>Suitable Extinguishing Media</b>	Suitable extinguishing media: Water spray. Dry powder. Foam.
<b>Special Hazards Arising From the Substance/Mixture</b>	No additional information available.
<b>Special PPE and/or Precautions for Firefighters</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	No additional information available.
<b>Methods and Materials Used for Containment</b>	Collect spillage.
<b>Cleanup Procedures</b>	Mechanically recover the product. Dispose of materials or solid residues at an authorized site.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Can react violently when mixed with chlorinated rubber, magnesium, linseed oil, strong bases, and strong acids.
<b>Conditions for Safe Storage</b>	Store in a well-ventilated place. Keep cool.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	USA - ACGIH ACGIH TWA (mg/m3) 2 mg/m3 USA - ACGIH ACGIH STEL (mg/m3) 10 mg/m3 USA - ACGIH Remark (ACGIH) Metal fume fever
<b>Appropriate Engineering Controls</b>	Ensure good ventilation of the work station.
<b>PPE - Eye/Face Protection</b>	Safety glasses.
<b>PPE - Skin Protection</b>	Wear suitable protective clothing.
<b>PPE - Body Protection</b>	Wear suitable protective clothing.
<b>PPE - Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Use appropriate respiratory protection. Avoid dust dispersal

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Powder Solid Colour: Pink odorless powder
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	No data available
<b>Vapor Pressure</b>	< 0.1 hPa (20 °C)
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	6.9-7.4
<b>Relative Density</b>	5.68 (22 °C)
<b>Melting Point/Freezing Point</b>	1975 °C (>1000 °C; 1013 hPa)
<b>Solubility</b>	Water: 0.00029 g/100ml
<b>Initial Boiling Point and Boiling Range</b>	Sublime
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	Log Pow: 1.53 (Estimated value)
<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>	The product is non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to Avoid</b>	None under recommended storage and handling conditions (see section 7). Hazardous decomposition
<b>Incompatible Materials</b>	No data available.
<b>Hazardous Decomposition Products</b>	At very high temperatures can emit toxic zinc fumes.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Not classified.
<b>Acute Toxicity - Inhalation</b>	Not classified.
<b>Acute Toxicity - Dermal</b>	Not classified.
<b>Acute Toxicity - Eye</b>	May irritate eyes
<b>Skin Corrosion/Irritation</b>	May cause skin irritation.
<b>Serious Eye Damage/Irritation</b>	Not classified.
<b>Respiratory or Skin Sensitization</b>	Inhalation of freshly formed zinc oxide fumes may cause a flu like illness called metal fume fever. Zinc oxides fumes appear only upon the formation of zinc oxide from zinc metal. Symptoms occurs 4 to 12 hours after exposure. Severe over exposure may result in bronchitis or pneumonia with a blueish tint to the skin.
<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>	Not classified.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Repeated or prolonged exposure to zinc oxide fumes may cause conjunctivitis.
<b>Aspiration Hazard</b>	Not classified.

## Section 12: Ecological Information

<b>Toxicity</b>	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Zinc Oxide (1314-13-2): Acute LC50 fish 320 ppm (96 h, <i>Iepomis macrochirus</i> , Fresh water, Experimental value) EC50 <i>Daphnia magna</i> 98U/l (48 h, <i>Daphnia magna</i> , neonate, Fresh water, Experimental value) Acute EC50 (algae) 0.042 mg/l (72 h, <i>Pseudokirchneriella subcapitata</i> , fresh water, Experimental growth phase)
<b>Persistence and Degradability</b>	Calamine USP Powder: ThOD: Not applicable (inorganic)
<b>Bio-accumulative Potential</b>	Calamine USP Powder: Log Pow 1.53 (Estimated value) Log Koc log Koc,2.2; Literature study
<b>Mobility in Soil</b>	Calamine USP Powder: Log Pow 1.53 (Estimated value) Log Koc log Koc,2.2; Literature study
<b>Other Adverse Effects</b>	No additional information available.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>Waste Treatment Methods Packaging</b>	Dispose of contents/container in accordance with licensed collector's sorting instructions.
<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>	Not regulated for transport
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

Calamine USP Powder Not listed on the United States TSCA (Toxic Substances Control Act) inventory

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	02/05/2019 17:07

Letco Medical, LLC believes that the above information is 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. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.