


Section 1: Identification

Common Name/Trade Name	CALAMINE USP POWDER	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	Calamine, zinc oxide, zinc monoxide	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute hazards to the aquatic environment (Category 1), Chronic hazards to the aquatic environment (Category 1)	
Signal Word	Warning	
Hazard Statement(s)	H400 H410	Very toxic to aquatic life Very toxic to aquatic life with long-lasting effects
Pictogram(s)		
Precautionary Statement(s)	P273 P391 P501	Avoid release to the environment. Collect spillage. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	N/A		
Common Name	Calamine		
CAS Number	8011-96-9		
	Material	Percent	CAS
	Zinc Oxide	98 - 100	1314-13-2
	Ferric Oxide	0.1- 1.0	1309-37-1
Impurities and/or Stabilizing Additives	No data available		

Section 4: First Aid Measures

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

Section 5: Fire Fighting Measures

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

Section 6: Accidental Release Measures

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

Section 7: Handling and Storage

Precautions for Safe Handling	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.
Conditions for Safe Storage	Store in a well-ventilated place. Keep cool.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	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
Appropriate Engineering Controls	Ensure good ventilation of the workstation.
PPE - Eye/Face Protection	Safety glasses.
PPE - Skin Protection	Wear suitable protective clothing.
PPE - Body Protection	Wear suitable protective clothing.
PPE - Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment. Use appropriate respiratory protection. Avoid dust dispersal

Section 9: Physical and Chemical Properties

Appearance	Form: Powder Solid Colour: Pink odorless powder
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No data available
Vapor Pressure	< 0.1 hPa (20°C)
Odor Threshold	No data available
Vapor Density	No data available
pH	6.9-7.4
Relative Density	5.68 (22°C)
Melting Point/Freezing Point	1975°C (>1000°C; 1013 hPa)
Solubility	Water: 0.00029 g/100ml
Initial Boiling Point and Boiling Range	Sublime
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	Log Pow: 1.53 (Estimated value)
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	None under recommended storage and handling conditions (see section 7). Hazardous decomposition
Incompatible Materials	No data available.
Hazardous Decomposition Products	At very high temperatures can emit toxic zinc fumes.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Not classified.
Acute Toxicity - Inhalation	Not classified.
Acute Toxicity - Dermal	Not classified.
Acute Toxicity - Eye	May irritate eyes
Skin Corrosion/Irritation	May cause skin irritation.
Serious Eye Damage/Irritation	Not classified.
Respiratory or Skin Sensitization	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 occur 4 to 12 hours after exposure. Severe overexposure may result in bronchitis or pneumonia with a blueish tint to the skin.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity IARC	Not classified.
Carcinogenicity ACGIH	Not classified.
Carcinogenicity NTP	Not classified.
Carcinogenicity OSHA	Not classified.
Reproductive Toxicity	Not classified.
Specific Target Organ Toxicity - Single Exposure	Not classified.
Specific Target Organ Toxicity - Repeated Exposure	Repeated or prolonged exposure to zinc oxide fumes may cause conjunctivitis.
Aspiration Hazard	Not classified.

Section 12: Ecological Information

Toxicity	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> , freshwater, Experimental value) EC50 <i>Daphnia</i> 98U/l (48 h, <i>Daphnia magna</i> , neonate, Freshwater, Experimental value) Acute EC50 (algae) 0.042 mg/l (72 h, <i>Pseudokirchneriella subcapitata</i> , freshwater, Experimental growth phase)
Persistence and Degradability	Calamine USP Powder: ThOD: Not applicable (inorganic)
Bio-accumulative Potential	Calamine USP Powder: Log Pow 1.53 (Estimated value) Log Koc log Koc,2.2; Literature study
Mobility in Soil	Calamine USP Powder: Log Pow 1.53 (Estimated value) Log Koc log Koc,2.2; Literature study
Other Adverse Effects	No additional information available.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste Treatment Methods Packaging	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not regulated for transport
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	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

Additional Information	N/A
Prepared By	Scarlotte Smith
Original Version Date	02/05/2019 17:07
Revision Date	4-Feb-2024 14:32 AUS

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.