


Section 1: Identification		
<b>Common Name/Trade Name</b>	CALAMINE POWDER USP	
<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>	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>	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. P391 Collect spillage. P501 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>	N/A		
<b>Common Name</b>	Calamine		
<b>CAS Number</b>	9011-96-9		
	<b>Material</b>	<b>Percent</b>	<b>CAS</b>
	Zinc Oxide	>99%	1314-13-2
	Iron Oxide FE2O3	<1%	1309-37-1
<b>Impurities and/or Stabilizing Additives</b>	No data available		

Section 4: First Aid Measures	
<b>General Advice</b>	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
<b>If Inhaled</b>	Move to fresh air. Get medical attention if symptoms persist.
<b>In Case of Skin Contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.
<b>In Case of Eye Contact</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.
<b>If Swallowed</b>	Rinse mouth thoroughly. Get medical attention if symptoms occur.
<b>Most Important Symptoms and Effects</b>	May cause irritation to skin, eyes, and respiratory tract. Treat symptomatically.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use fire-extinguishing media appropriate for surrounding materials. This product is non-combustible.
<b>Special Hazards Arising From the Substance/Mixture</b>	During fire, gases hazardous to health may be formed.
<b>Special PPE and/or Precautions for Firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire if can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Use personal protective equipment.
<b>Methods and Materials Used for Containment</b>	Avoid dust formation. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.
<b>Cleanup Procedures</b>	Avoid dust formation. Sweep up and place in clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer basements or confined areas. Inform authorities if large amounts are involved. Prevent further leakage or spillage is safe to do so. Avoid discharge into drains, water courses or onto the ground.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Avoid generation and spreading of dust. Ground/bond container and receiving equipment. Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
<b>Conditions for Safe Storage</b>	Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	Chemical identity ZINC OXIDE - Respirable fraction. Type TWA Exposure Limit value 2 mg/m <sup>3</sup> source US. ACGIH Threshold Limit Values (2011) STEL 10 mg/m <sup>3</sup> US. ACGIH Threshold Limit Values (2011) ZINC OXIDE - Dust. REL 5 mg/m <sup>3</sup> US. NIOSH: Pocket Guide to Chemical Hazards (2010) ZINC OXIDE - Fume. REL 5 mg/m <sup>3</sup> US. NIOSH: Pocket Guide to Chemical Hazards (2010) ZINC OXIDE - Dust. Ceil. Time 15 mg/m <sup>3</sup> US. NIOSH: Pocket Guide to Chemical Hazards (2010) ZINC OXIDE - Fume. STEL 10 mg/m <sup>3</sup> US. NIOSH: Pocket Guide to Chemical Hazards (2010) PEL 5 mg/m <sup>3</sup> US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) ZINC OXIDE - Total dust. PEL 15 mg/m <sup>3</sup> US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) ZINC OXIDE - Respirable fraction. PEL 5 mg/m <sup>3</sup> US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) ZINC OXIDE - Total dust. TWA 10 mg/m <sup>3</sup> US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) ZINC OXIDE - Fume. STEL 10 mg/m <sup>3</sup> US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) TWA 5 mg/m <sup>3</sup> US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) ZINC OXIDE - Respirable fraction. TWA 5 mg/m <sup>3</sup> US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) IRON OXIDE, FE <sub>2</sub> O <sub>3</sub> - Respirable fraction. TWA 5 mg/m <sup>3</sup> US. ACGIH Threshold Limit Values (2011) IRON OXIDE, FE <sub>2</sub> O <sub>3</sub> - Dust and fume. - as Fe REL 5 mg/m <sup>3</sup> US. NIOSH: Pocket Guide to Chemical Hazards (2010) IRON OXIDE, FE <sub>2</sub> O <sub>3</sub> - Fume. PEL 10 mg/m <sup>3</sup> US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) TWA 10 mg/m <sup>3</sup> US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
<b>Appropriate Engineering Controls</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.
<b>PPE - Eye/Face Protection</b>	Use tight fitting goggles.
<b>PPE - Skin Protection</b>	Wear protective gloves.
<b>PPE - Body Protection</b>	Wear suitable protective clothing. Wear protective gloves.
<b>PPE - Respiratory Protection</b>	In case of inadequate ventilation use suitable respirator.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Powder Solid Colour: Pink
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	No data available
<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>	5.67 (20 °C)
<b>Melting Point/Freezing Point</b>	Melting point/freezing point: 1,975 °C
<b>Solubility</b>	Solubilities in water: Negligible
<b>Initial Boiling Point and Boiling Range</b>	No data available
<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>	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 dangerous reaction known under conditions of normal use.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents. Magnesium.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Oral LD50 (Rat): > 5 g/kg
<b>Acute Toxicity - Inhalation</b>	No data available. LC50 (Mouse, 4h): >5.7 mg/l
<b>Acute Toxicity - Dermal</b>	No data available
<b>Acute Toxicity - Eye</b>	May irritate eyes
<b>Skin Corrosion/Irritation</b>	May cause skin irritation.
<b>Serious Eye Damage/Irritation</b>	May irritate eyes.
<b>Respiratory or Skin Sensitization</b>	Not a skin sensitizer.
<b>Germ Cell Mutagenicity</b>	No mutagenic components identified.
<b>Carcinogenicity IARC</b>	No carcinogenic components identified.
<b>Carcinogenicity ACGIH</b>	No data available
<b>Carcinogenicity NTP</b>	No carcinogenic components identified.
<b>Carcinogenicity OSHA</b>	No carcinogenic components identified.
<b>Reproductive Toxicity</b>	No components toxic to reproduction.
<b>Specific Target Organ Toxicity - Single Exposure</b>	No data available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No data available
<b>Aspiration Hazard</b>	Not classified.

## Section 12: Ecological Information

<b>Toxicity</b>	Acute hazards to the aquatic environment: ZINC OXIDE LC 50 (Striped bass ( <i>Morone saxatilis</i> ), 48 h): 0.25 - 2.46 mg/l Mortality LC 50 (Fathead minnow ( <i>Pimephales promelas</i> ), 96 h): 2,246 mg/l Mortality
<b>Persistence and Degradability</b>	There are no data on the degradability of this product.
<b>Bio-accumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other Adverse Effects</b>	Very toxic to aquatic life with long lasting effects.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Discharge, treatment, or disposal may be subject to national, state, or local laws.
<b>Waste Treatment Methods Packaging</b>	Since emptied containers 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>	
<b>UN Proper Shipping Name</b>	
<b>Transport Hazard Class(es)</b>	
<b>Packaging Group</b>	
<b>Environmental Hazards</b>	Marine Pollutant: No

## Section 15: Regulatory Information

CERCLA Hazardous Substance List (40 CFR 302.4) Superfund amendments and reauthorization act of 1986 (SARA) Hazardous categories: Acute. SARA 302 Extremely hazardous substance: None present on none present in regulated quantities. SARA 304 Emergency release notification Chemical identity: RQ Zinc Oxide. SARA 311/312 Hazardous chemical: Zinc Oxide 500lbs. Iron Oxide 500lbs. SARA 313 TRI Reporting Zinc Oxide Reporting threshold for other users 10000 lbs. Reporting threshold for manufacturing and processing 25000 lbs. Clean Water Act Section 311 Hazard Substances (40 CFR 117.3) None present or none present in regulated quantities. Clean Air Act (CCA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None or none present in regulated quantities. Us State regulation: U.S. California Proposition 65: No ingredient regulated by CA Prop 65 present. US. New Jersey Worker and Community Right-to-Know Act ZINC OXIDE Listed US. Massachusetts RTK - Substance List ZINC OXIDE Listed US. Pennsylvania RTK - Hazardous Substances ZINC OXIDE Listed US. Rhode Island RTK ZINC OXIDE Listed

## Section 16: Other Information

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