Section 1: Identification

Common Name/Trade Name	ZINC OXIDE USP	
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)**
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)	N/A	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute aquatic toxicity (Category 1), Chronic aquatic toxicity (Category 1)	
Signal Word	Warning	
Hazard Statement(s)	H410	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	Zinc Oxide
CAS Number	1314-13-2
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most Important Symptoms and Effects	The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising From the Substance/Mixture	Zinc/zinc oxides
Special PPE and/or Precautions for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Methods and Materials Used for Containment	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Cleanup Procedures	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for Safe Storage	Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Component: Zinc oxide CAS-No. 1314-13-2 Value TWA Control parameters: 2 mg/m3 Basis USA. ACGIH Threshold Limit Values (TLV) Remarks: metal fume fever. Value STEL Control parameters: 10 mg/m3 Basis USA. ACGIH Threshold Limit Values (TLV). metal fume fever. Value TWA Control parameters: 5 mg/m3 Value: USA. NIOSH Recommended Exposure Limits. Value TWA Control parameters 5 mg/m3 Basis USA. NIOSH Recommended Exposure Limits. Value ST Control parameters 10 mg/m3 Basis USA. NIOSH Recommended Exposure Limits. Value C Control parameters 15 mg/m3 Basis USA. NIOSH Recommended Exposure Limits. Value TWA Control parameters 5 mg/m3 Basis USA Occupational Exposure Limits (OSHA) - TABLE Z-1 Limits for Air Contaminants. Value TWA Control parameters 15 mg/m3 Basis USA Occupational Exposure Limits (OSHA) - TABLE Z-1 Limits for Air Contaminants Value TWA Control parameters 5 mg/m3 Basis USA Occupational Exposure Limits (OSHA) - TABLE Z-1 Limits for Air Contaminants Value TWA Control parameters 10 mg/m3 Basis USA. OSHA- TABLE Z-1 Limits for Air Contaminants- 1910.1000. Value TWA Control parameters 5 mg/m3 Basis USA. OSHA- TABLE Z- 1 Limits for Air Contaminants- 1910.1000 Value TWA Control parameters 5 mg/m3 Basis USA. OSHA- TABLE Z-1 Limits for Air Contaminants- 1910.1000. Value STEL Control parameters 10 mg/m3 Basis USA. OSHA-TABLE Z-1 Limits for Air Contaminants-1910.1000
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
PPE - Eye/Face Protection	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
PPE - Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
PPE - Body Protection	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
PPE - Respiratory Protection	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 142) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Form: Powder Colour: White
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	5.610 g/cm3
Melting Point/Freezing Point	No data available
Solubility	No data available
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	No data available
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Other decomposition products - No data available

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - mouse - 7,950 mg/kg
Acute Toxicity - Inhalation	LC50 Inhalation - mouse - 2,500 mg/m^3
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	Eyes - rabbit - Mild eye irritation - 24h
Skin Corrosion/Irritation	Skin- rabbit Results: Mild skin irritation - 24 h
Serious Eye Damage/Irritation	Eyes - rabbit - Mild eye irritation - 24h
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	Hamster Embryo Unscheduled DNA synthesis Hamster Embryo Morphological transformation. Hamster Embryo Sister chromatid exchange. guinea pig Unscheduled DNA synthesis
Carcinogenicity IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
Carcinogenicity ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.
Carcinogenicity NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Carcinogenicity OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 1.1 mg/l - 96.0 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0.098 mg/l - 48 h
Persistence and Degradability	No data available
Bio- accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste Treatment Methods Packaging	Dispose of as unused product.
Special Precautions Landfill or Incinerations	No data available
Other Information	Not dangerous goods

Section 14: Transport Information

UN Number	
UN Proper Shipping Name	
Transport Hazard Class(es)	
Packaging Group	
Environmental Hazards	

Section 15: Regulatory Information

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: The following components are subject to the reporting levels established by SARA Title III, Section 313: Zinc oxide CAS-No. 1314-13-2 Revision Date 2007-03-01. SARA 311/312 Hazards: No SARA Hazards. Massachusetts Right To Know Components: Zinc oxide CAS-No. 1314-13-2 Revision Date 2007-03-01. Pennsylvania Right To Know Components: Zinc oxide CAS-No. 1314-13-2 Revision Date 2007-03-01 New Jersey Right To Know Components: Zinc oxide CAS-No. 1314-13-2 Revision Date 2007-03-01. California Prop. 65 Components: This product does not contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Additional Information	
Prepared By	Lisa Russell
Revision Date	01/09/2019 12:17

Disclaimer

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