


Section 1: Identification

Common Name/Trade Name	CLOTRIMAZOLE 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) 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)	1-[(2-chlorophenyl)diphenylmethyl]1H-imidazole 1-(o-Chloro- α , α -diphenylbenzyl)imidazole, 1-(o-Chlorotriptyl)imidazole 1-[(2-Chlorophenyl)diphenylmethyl]-1H-imidazole	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, Oral (Category 3), Skin irritation (Category 2), Eye irritation (Category 2), Aquatic Environment, acute toxicity (Category 1), Aquatic Environment, chronic toxicity (Category 1)	
Signal Word	Danger	
Hazard Statement(s)	H301 H315 H319 H400 H410	Toxic if swallowed Causes skin irritation Causes serious eye irritation Very toxic to aquatic life Very toxic to aquatic life with long lasting effects
Pictogram(s)		
Precautionary Statement(s)	P264 P273 P280 P301+P312 P302+P352 P305+P351+P338 P330 P337+P313 P391 P404 P501	Wash hands thoroughly after handling. Avoid release to the environment. 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 IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Rinse mouth. If eye irritation persists Get medical advice/attention. Collect spillage. Store in a closed container. 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	1-[(2-chlorophenyl)diphenylmethyl]1H-imidazole
Common Name	Clotrimazole
CAS Number	23593-75-1
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. Move out of dangerous area.
If Inhaled	May cause irritation of respiratory tract. Remove from exposure into the fresh air. In severe cases or if the exposure has been great, obtain medical attention.
In Case of Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention
In Case of Eye Contact	May cause irritation. Irrigate thoroughly with water for at least 15 minutes, with eyelids held open.
If Swallowed	Possible allergic reaction of material, if ingested. Wash out mouth thoroughly and give water to drink. Do not induce vomiting. Obtain medical attention
Most Important Symptoms and Effects	Symptoms: difficulty breathing, gastrointestinal discomfort, irritation of mucous membranes.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Small fire: Use Dry chemical powder. Large fire: Use water spray, fog or foam (CO, CO ₂), Nitrogen oxide (NO, NO ₂) halogenated compounds, Hydrogen Chloride, Some metallic Oxides. Do not use water jet.
Special Hazards Arising From the Substance/Mixture	Special hazards arising from the substance or mixture Carbon oxide (CO, CO ₂), Nitrogen oxide (NO _x), Hydrogen Chloride. Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks. Burns at high temperature with evolution of fumes.
Special PPE and/or Precautions for Firefighters	Respiratory protection (a self-contained breathing apparatus) and eye protection for employee firefighters.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear complete protection equipment and in particular, use a self-contained breathing apparatus, glasses and gloves. Avoid all contact with dust. Do not allow to approach the people which are not protected.
Methods and Materials Used for Containment	Keep out of drains, prevent entry into the natural environment.
Cleanup Procedures	Sweep up the product and destroy by incineration. Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Use hand gloves, nose mask, apron, goggles while handling. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for Safe Storage	Keep container tightly closed. Keep container in a cool; and well-ventilated area protected from light. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Store at controlled room temperature, protected from direct sunlight in individually sealed HMHD double polythene bags; kept in polythene lined fiber board drums. Protected from heat, sources of ignition and direct sunlight. Storage temperature: 15-30°C. Non-Recommended Packaging Materials: Bare iron drums

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No information available.
Appropriate Engineering Controls	Technical Measures: Handle only with an appropriate dust mask and in a ventilated area. Appropriate Personal Protection Equipment: Wear approved respiratory protections, chemically compatible gloves and protective clothing. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
PPE - Eye/Face Protection	Wear protective chemical safety goggles.
PPE - Skin Protection	Compatible chemical-resistant gloves. Wear protective coat. Use hand gloves, nose mask, aprons & goggles to avoid excess exposure.
PPE - Body Protection	Compatible chemical-resistant gloves. Wear protective coat. Use hand gloves, nose mask, aprons & goggles to avoid excess exposure.
PPE - Respiratory Protection	Handle only with an appropriate dust mask and in a ventilated area. Protecting dust mask (filter P3).

Section 9: Physical and Chemical Properties

Appearance	White to pale yellow, crystalline powder.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Almost odorless
Vapor Pressure	Not applicable, Vapor Density: Not available
Odor Threshold	Not available
Vapor Density	No data available
pH	Not available
Relative Density	No data available
Melting Point/Freezing Point	142°C to 145°C
Solubility	Sparingly soluble in water, freely soluble in methanol, soluble in alcohol & slightly soluble in acetone.
Initial Boiling Point and Boiling Range	Not Applicable
Flash Point	Not 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	Polymerization will not occur. Corrosivity: Non-corrosive in presence of glass.
Chemical Stability	Stable at room temperature. Conditions of Instability: Excess heat, dust generation.
Possibility of Hazardous Reactions	Information Not Available.
Conditions to Avoid	Heat & Flame. To be kept away from light & humidity.
Incompatible Materials	Reactive oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products: Carbon Oxides, Nitrogen Oxides, Halogenated compounds, Hydrogen Chloride and some Metallic Oxides.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Acute oral toxicity (LD50): 241mg/kg [Rat], (LD50): 256 mg/kg [Mouse] 251 mg/kg [Mammal]. Slightly hazardous in case of ingestion. May be harmful if swallowed. May cause gastrointestinal tract irritation with nausea, vomiting, diarrhea, abdominal cramping or pain. Although it is poorly absorbed from the gastrointestinal tract, it may affect behavior (somnolence, muscle weakness, convulsions). Chronic Potential Health Effects: Possible allergic reaction to material if ingested. Although it is poorly absorbed from the gastrointestinal tract, chronic ingestion may also affect liver, urinary tract and blood.
Acute Toxicity - Inhalation	Excess inhalation causes irritation to the mucous membrane. Chronic Potential Health Effects: Possible allergic reaction to material if inhaled.
Acute Toxicity - Dermal	Slightly hazardous in case of skin contact (irritant). Chronic Potential Health Effects: Possible allergic reaction to material if in contact with skin.
Acute Toxicity - Eye	Direct contact may cause irritation to the eyes.
Skin Corrosion/Irritation	Slightly hazardous in case of skin contact (irritant). Skin: May cause skin irritation. May cause stinging, blistering, peeling, edema, pruritus, urticaria, burning sensation
Serious Eye Damage/Irritation	Direct contact may cause irritation to the eyes.
Respiratory or Skin Sensitization	May cause respiratory tract irritation.
Germ Cell Mutagenicity	May cause adverse reproductive effects (Maternal effects - cervix, uterus, ovaries, fallopian tubes, and effects on fertility- fetotoxicity, and post-implantation mortality
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 by IARC.
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 probable, possible or confirmed human carcinogen by NTP.
Carcinogenicity OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
Reproductive Toxicity	May cause adverse reproductive effects (Maternal effects - cervix, uterus, ovaries, fallopian tubes, and effects on fertility- fetotoxicity, and post-implantation mortality
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	Ecotoxicity: LC50 (fish-96h): >0.29mg/l EC50 (daphnies- 48h):0.1mg/l ErC50 (algae- 72h):0.098mg/l EC50 (crustacean-48h):0.020mg/l
Persistence and Degradability	Biodegradation: 0 % (28D). Not easily biodegradable BOD5 and COD: Not available Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic. Special Remarks on the Products of Biodegradation: Not available.
Bio-accumulative Potential	Bioaccumulation and mobility: Log Pow: 4.1, BCF: 610
Mobility in Soil	Information Not Available
Other Adverse Effects	Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Product Disposal: Incineration Disposal of Contaminated Packaging: Incineration In compliance with government rules and regulations for disposal of waste. Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Treatment Methods Packaging	Disposal of Contaminated Packaging: Incineration In compliance with government rules and regulations for disposal of waste. Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	UN: 2811
UN Proper Shipping Name	Class (other risk) shipping name-- PG
Transport Hazard Class(es)	6.1
Packaging Group	PG III
Environmental Hazards	Marine pollutant: Not classified

Section 15: Regulatory Information

Pharmacopoeia: BP/EP/USP Chemical Registry No.: 23593-75-1 EINECS No.: 245-764-8 Manufactured under drug license No.: G/1121

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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