

Section 1: Identification

Common Name/Trade Name	THIAMINE HYDROCHLORIDE	
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)	Vitamin B1 hydrochloride, Thiamine HCl, Vitamin B1 HCl. Chemical Name: Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl-, chloride, monohydrochloride	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture.
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	No data available
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl-, chloride, monohydrochloride
Common Name	Thiamine hydrochloride
CAS Number	67-03-8
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No data available.
If Inhaled	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
In Case of Skin Contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
In Case of Eye Contact	Rinse with water Get medical attention if irritation develops and persists.
If Swallowed	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Most Important Symptoms and Effects	No data available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable Extinguishing Media: Use fire-extinguishing media appropriate for surrounding materials. Water, Foam, Dry chemical or CO ₂ .
Special Hazards Arising From the Substance/Mixture	No unusual fire or explosion hazards noted.
Special PPE and/or Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.
Methods and Materials Used for Containment	Environmental Precautions- No information available.
Cleanup Procedures	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Do not breathe dust. Ensure adequate ventilation. Wear personal protective equipment.
Conditions for Safe Storage	Preserve in tight, light-resistant containers, protected from light.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
Appropriate Engineering Controls	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. Handle in accordance with good industrial hygiene and safety practice.
PPE - Eye/Face Protection	Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z 87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area. Wear appropriate protective gloves and clothing to prevent skin exposure.
PPE - Skin Protection	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.
PPE - Body Protection	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.
PPE - Respiratory Protection	Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable US regulation OSHA 29 CFR 1910.134).

Section 9: Physical and Chemical Properties

Appearance	Physical state: Powder Solid. Appearance: White
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Characteristic nut-like odor
Vapor Pressure	<0.0000001 kPa at 25°C.
Odor Threshold	No data available
Vapor Density	11.7
pH	2.7-3.4 (in 1% aqueous solution)
Relative Density	No data available
Melting Point/Freezing Point	Melting point/range: 478.4°F (248°C) (decomposes)
Solubility	Water: Freely soluble. Other: Insoluble in ether and benzene; soluble in glycerol; slightly soluble in alcohol.
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	None known, based on information available.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Avoid dust formation.
Incompatible Materials	Alkalis. Oxidizing agents. Reducing agents.
Hazardous Decomposition Products	Hazardous decomposition products: Cl-. NOx. SOx. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral: 8824 mg/kg (Mouse). LD50 Oral: 3710 mg/kg (Rat). Based on available data, the classification criteria are not met.
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No information available
Germ Cell Mutagenicity	S. typhimurium Ames assay Result: Negative.
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
Reproductive Toxicity	Due to lack of data the classification is not possible. Pregnancy problems in humans have not been documented with intake of normal daily requirements of thiamine hydrochloride.
Specific Target Organ Toxicity - Single Exposure	Due to lack of data the classification is not possible.
Specific Target Organ Toxicity - Repeated Exposure	Due to lack of data the classification is not possible.
Aspiration Hazard	Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity	No ecotoxicity data noted for the ingredient(s).
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Waste Treatment Methods Packaging	No data available.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

International Inventories: Thiamine hydrochloride: TSCA: Yes, DSL: Yes, NDSL: No, EINECS: Yes, ELINCS: No, PICCS: Yes, ENCS: Yes, AICS: Yes, IECSC: Yes. A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country (s). US federal regulations: CERCLA/SARA Hazardous Substances - Not applicable. All components are on the US EPA TSCA Inventory List. SARA: Hazard categories: Immediate Hazard- No. Delayed Hazard- No. Fire Hazard- No. Pressure Hazard- No. Reactivity Hazard- No. Sara 302: No. SARA 311/312: No. SDWA: Not regulated. FDA: Total food additive. Direct food additive. GRAS food additive. US state regulations: Proposition 65: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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