

Section 1: Identification

Common Name/Trade Name	BIOTIN 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)	Vitamin H	
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	5-[(3aS,4S,6aR)-2-oxohexahydrothieno[3,4-d]imidazol-4-yl] pentanoic acid
Common Name	Biotin
CAS Number	58-85-5
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.
If Inhaled	Move victim to the open air. If symptoms persist, seek medical attention.
In Case of Skin Contact	Watch out for any remaining product between skin and clothing, watches, shoes, etc. Wash skin thoroughly with water.
In Case of Eye Contact	Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.
If Swallowed	Seek medical attention, showing the label. Do not force vomiting.
Most Important Symptoms and Effects	No data available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Non-flammable. In the event of a fire, immediate and rapid evacuation is necessary. Suitable methods of extinction In the event of a fire, use: - sprayed water or water mist - foam - powder - carbon dioxide (CO ₂) Unsuitable methods of extinction In the event of a fire, do not use: - water jet
Special Hazards Arising From the Substance/Mixture	A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: - carbon monoxide (CO) - carbon dioxide (CO ₂) - sulphur dioxide (SO ₂) - nitrogen oxide (NO) - nitrogen dioxide (NO ₂)
Special PPE and/or Precautions for Firefighters	Due to the toxicity of the gas emitted on thermal decomposition of the products, firefighting personnel are to be equipped with autonomous insulating breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Consult the safety measures listed under headings 7 and 8. For firefighters: Firefighters will be equipped with suitable personal protective equipment (See section 8).
Methods and Materials Used for Containment	Prevent any material from entering drains or waterways.
Cleanup Procedures	Collect mechanically in suitable receptacles for disposal. After cleaning, rinse traces with water.

Section 7: Handling and Storage

Precautions for Safe Handling	Always wash hands after handling. Prevent the formation of dust. Fire prevention: Prevent access by unauthorised personnel. Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations Do not breathe in dust. Prohibited equipment and procedures: No smoking, eating or drinking in areas where the substance is used.
Conditions for Safe Storage	Store receptacles hermetically closed to prevent absorption of humidity and contamination. Store in a dry and well-ventilated area, room temperature (not to exceed ~25°C). Avoid excessive heat. Stack at ambient temperature in the original receptacle. Protect from light. Packaging Always keep in packaging made of an identical material to the original

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No data available.
Appropriate Engineering Controls	Personal protection measures, such as personal protective equipment Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
PPE - Eye/Face Protection	Avoid contact with eyes. Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.
PPE - Skin Protection	Wear suitable protective gloves in the event of prolonged or repeated skin contact. Recommended properties: - Impervious gloves in accordance with standard EN374
PPE - Body Protection	Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
PPE - Respiratory Protection	Avoid breathing dust. Type of FFP mask: Wear a disposable half-mask dust filter in accordance with standard EN149. Anti-particle filtering respiratory protection device.

Section 9: Physical and Chemical Properties

Appearance	Very fine powder. White to creamy-white.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless.
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	PH (aqueous solution): 5 (0.1 g/l, 25°C)
Relative Density	< 1. Density: ~ 0.37 g/cm ³ (loose packed) - ~ 0.45 g/cm ³ (packed).
Melting Point/Freezing Point	Melting point/melting range: 227°C.
Solubility	PH (aqueous solution): 5 (0.1 g/l, 25°C)
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	This substance is stable under the recommended handling and storage conditions in section 7.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Formation of dusts: dusts can form an explosive mixture with air.
Incompatible Materials	Keep away from: Oxidizing agents.
Hazardous Decomposition Products	The thermal decomposition may release/form: - carbon monoxide (CO) - carbon dioxide (CO ₂) - sulphur dioxide (SO ₂) - nitrogen oxide (NO) - nitrogen dioxide (NO ₂)

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	No data available
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	Non-irritant for skin. Repeated or prolonged contact with the substance may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
Serious Eye Damage/Irritation	Mild irritant for eyes.
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
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	FISH CL0 (96h) = 104 mg/l (Brachydanio rerio).
Persistence and Degradability	Biodegradation: 10% (28 days - closed cup).
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	Do not pour into drains or waterways. Waste: Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Waste Treatment Methods Packaging	Soiled packaging: Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.
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

No data available.

Section 16: Other Information

Additional Information	N/A
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Revision Date	10/04/2023 10:14

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