

Section 1: Identification

Common Name/Trade Name	CYANOCOBALAMIN	
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, Queensland, Australia 4214 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	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	Cyanocobalamin
Common Name	Cyanocobalamin (Vitamin B12)
CAS Number	68-19-9
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.
If Inhaled	Move to fresh air. 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	None known. In all cases of doubt, or when symptoms persist, seek medical attention. Provide general supportive measures and treat symptomatically

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate for surrounding fire. Water spray. Carbon dioxide. Dry powder. Foam
Special Hazards Arising From the Substance/Mixture	Stable under normal conditions. No unusual fire or explosion hazards noted.
Special PPE and/or Precautions for Firefighters	Use normal individual fire protective equipment. Firefighting instructions: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Avoid raising dust. Avoid all unnecessary exposure.
Methods and Materials Used for Containment	Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Clean thoroughly. Clean with water
Cleanup Procedures	Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Clean thoroughly. Clean with water

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid all unnecessary exposure.
Conditions for Safe Storage	To guarantee the quality and properties of the product, In airtight containers protected from light. Store in original container. Incompatible products: Strong oxidizing agents

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No biological exposure limits noted for the ingredient(s).
Appropriate Engineering Controls	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Handle in accordance with good industrial hygiene and safety practice.
PPE - Eye/Face Protection	Safety glasses with sideshields 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.
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 non latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy
PPE - Body Protection	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 U.S. regulation OSHA 29 CFR 1910.134).

Section 9: Physical and Chemical Properties

Appearance	Dark red Crystalline powder or Dark red crystals.
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	4,5 - 7
Relative Density	No data available
Melting Point/Freezing Point	> 300 C
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	-2,6 at 20 C
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Stable under normal conditions.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	No additional information available
Incompatible Materials	Oxidizing agents
Hazardous Decomposition Products	When heated to decomposition, emits dangerous fumes.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Not classified. LD50 oral rat > 5000 mg/kg
Acute Toxicity - Inhalation	Not classified
Acute Toxicity - Dermal	Not classified
Acute Toxicity - Eye	Not classified
Skin Corrosion/Irritation	Not classified
Serious Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity IARC	Not classified
Carcinogenicity ACGIH	Not classified
Carcinogenicity NTP	Not classified
Carcinogenicity OSHA	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity - Single Exposure	Not classified
Specific Target Organ Toxicity - Repeated Exposure	Not classified
Aspiration Hazard	Not classified

Section 12: Ecological Information

Toxicity	Presents no specific risk for the environment. No toxicity data noted for the ingredient(s). EC50 Daphnia 1 > 100 mg/l EC50 - 48 Hour - Daphnia magna
Persistence and Degradability	Biodegradation < 5
Bio-accumulative Potential	Log Pow - 2,6 at 20 C
Mobility in Soil	No additional information available
Other Adverse Effects	No additional information available

Section 13: Disposal Considerations

Waste Treatment Methods Product	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). 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. Dispose of waste in accordance with all applicable Federal, State, and local laws.
Waste Treatment Methods Packaging	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
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

CERCLA/SARA Hazardous Substances - Not applicable. No REACH Annex XVII restrictions Not regulated. By other regulations

Section 16: Other Information

Additional Information	N/A
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