

Section 1: Identification

Common Name/Trade Name	LEUCOVORIN CALCIUM 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)	Leucovorin calcium (hydrate) conforming to USP and EP Calcium folinate (hydrate) / Leucovorin calcium (hydrate) IP Calcium folinate (hydrate) / Leucovorin calcium (hydrate) crystalline EP/USP Calcium folinate (hydrate) / Leucovorin calcium (hydrate) WS 5-formyltetrahydroptericoic acid, p-aminobenzoylglutamic acid, 10-formyldihydrofolic acid, 5,10-diformyltetrahydrofolic acid, 7,8-dihydrofolic acid, 10-formylfolic acid, 5-(γ-folinylamido)tetrahydrofolic acid (RRT 1.7), folic acid	
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	Calcium N-(p-(((6RS)-2-amino-5-formyl-5,6,7,8-tetrahydro-4-hydroxy-6-pteridiny) methyl) amino) benzoyl)-L-glutamate
Common Name	Leucovorin Calcium
CAS Number	1492-18-8
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No data available.
If Inhaled	Remove casualty to fresh air and keep warm and at rest.
In Case of Skin Contact	Wash with plenty of water and soap.
In Case of Eye Contact	Wash immediately with water.
If Swallowed	Do not induce vomiting, get medical attention showing the SDS and label hazardous.
Most Important Symptoms and Effects	No data available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media: Water. Carbon dioxide (CO ₂).
Special Hazards Arising From the Substance/Mixture	Do not inhale explosion and combustion gases.
Special PPE and/or Precautions for Firefighters	Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.
Methods and Materials Used for Containment	Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand
Cleanup Procedures	Suitable material for taking up: absorbing material, organic, sand Wash with plenty of water.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes, inhalation of vapours and mists. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment.
Conditions for Safe Storage	Store at up to 25°C in an airtight container. Do not freeze. Being a hygroscopic material, store in an airtight container. Incompatible materials: Avoid strong oxidizing agents. Instructions as regards storage premises:

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	IOEL, 124000 ug/m ³ Long Term, Note: Category 2 SafeBridge
Appropriate Engineering Controls	Ensure proper ventilation. Use appropriate PPE as included in this section.
PPE - Eye/Face Protection	Wear protective eyeglasses (EN166).
PPE - Skin Protection	Not needed for normal use.
PPE - Body Protection	Overall
PPE - Respiratory Protection	Dust mask.

Section 9: Physical and Chemical Properties

Appearance	Yellowish powder.
Upper/Lower Flammability or Explosive Limits	N/A
Odor	odorless
Vapor Pressure	N/A
Odor Threshold	N/A
Vapor Density	N/A
pH	7.40
Relative Density	N/A
Melting Point/Freezing Point	N/A
Solubility	Solubility in water: Soluble 5 g/L (25°C)
Initial Boiling Point and Boiling Range	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability (Solid, Gas)	N/A
Partition Coefficient	N/A
Auto-Ignition Temperature	N/A
Decomposition Temperature	240.00°C
Viscosity	N/A

Section 10: Stability and Reactivity

Reactivity	React with oxidising agents
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None.
Conditions to Avoid	Light and air.
Incompatible Materials	Avoid strong oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products are carbon monoxide, carbon dioxide and nitrogen oxide.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral Rat > 8,00000 g/kg - iv iv LD50 Oral Mouse > 7,00000 g/kg - iv iv
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available. May cause mechanical irritation to the eyes
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	May cause mechanical irritation to the eyes
Respiratory or Skin Sensitization	May cause mild respiratory tract irritation due to dust.
Germ Cell Mutagenicity	Mutagenesis Generic Bacteria - No data available for the product
Carcinogenicity IARC	Carcinogenicity - Long term studies have not been conducted to evaluate the carcinogenic potential. The substance has not been listed as carcinogen by NTP, IARC or OSHA.
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	Carcinogenicity - Long term studies have not been conducted to evaluate the carcinogenic potential. The substance has not been listed as carcinogen by NTP, IARC or OSHA.
Carcinogenicity OSHA	Carcinogenicity - Long term studies have not been conducted to evaluate the carcinogenic potential. The substance has not been listed as carcinogen by NTP, IARC or OSHA.
Reproductive Toxicity	Reproductive Toxicity - No data available for the product
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	Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information: Not expected to be harmful to aquatic plants and animal life.
Persistence and Degradability	No persisting influence on the environment to be expected.
Bio-accumulative Potential	Not bio-accumulative
Mobility in Soil	Not mobile. Low mobility in the ground.
Other Adverse Effects	Results of PBT and vPvB assessment: No PBT Ingredients are present.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Recover if possible. In so doing, comply with the local and national regulations currently in force.
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

Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU)2015/830 Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: None Restrictions related to the substances contained: None Provisions related to directive EU 2012/18 (Seveso III): German Water Hazard Class. Class 1: slightly hazardous for water. SVHC Substances: No Data available. Chemical Safety Assessment: No.

Section 16: Other Information

Additional Information	N/A
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