



300 Northfield Road
 Bedford, OH 44146
 Telephone: (440) 232-3320
 -or- (800) 562-4797

MATERIAL SAFETY DATA SHEET

Section I - IDENTITY

Common/Trade Name: Clindamycin Injection 150 mg/vial; 60 ml/vial
Chemical Names: L-threo-D-galacto-Octopyranoside, methyl 7-chloro-6,7,8-trideoxy-6-(1-methyl-4-propyl-L-2- pyrrolidinecarboxamido)-1-thio-, trans-alpha-
Synonyms: Chlolinocin, 7(S) Chloro-7deoxylincomycin, Cleomycin®
Manufacturer's Name: BEN VENUE LABORATORIES, INC.
Address: 300 NORTHFIELD ROAD
 BEDFORD, OH 44146
Emergency Telephone Number: Chemtrec: 1(800)424-9300
Telephone Number for Info.: (800)562-4797 or (440)232-3320
Medical Emergency: Professional Services: 1(800)521-5169
Date Prepared: April 5, 2005

Section II - HAZARDOUS INGREDIENTS/COMPOSITION INFORMATION

<u>Component</u>	<u>%</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>
Clindamycin	15.5	18323-44-9	NONE	NONE	0.12 mg/m ³ (BVL OEL)
Edetate Disodium	0.05	139-33-3	NONE	NONE	NONE
Benzyl Alcohol	0.95	100-51-6	NONE	NONE	NONE
Water for Injection	83.5	7732-18-5	NONE	NONE	NONE

Clindamycin is a sterile injectable liquid drug provided in a vial.

Section III - HEALTH HAZARD DATA

Routes of Entry: Clindamycin Injection may be absorbed via contact with skin or eyes; inhalation of aerosols or accidentally ingested. Under normal use with supervision of a physician, Clindamycin Injection presents little hazard.

Health Hazard (Acute & Chronic): Clindamycin is used as a broad spectrum antibiotic and may affect the digestive system and kidneys. Minimal health hazard is expected upon occupational exposure.

Carcinogenicity: NTP? NO **IARC Monographs?** NO **OSHA Regulated?** NO

Signs & Symptoms of Exposure: Acute signs and symptoms of exposure may include eye, skin, and respiratory irritation. May cause nausea, vomiting, abdominal pain, skin rashes, conjunctivitis, jaundice and kidney dysfunction.

Medical Conditions Generally Aggravated by Exposure: Persons sensitive to Clindamycin may experience allergic reaction.

BVL Hazard Category: 2

BVL Occupational Exposure limit (OEL): 0.12 mg/m³

Section IV - FIRST AID MEASURES

Eye Exposure: Flush eyes with large volumes of water for 15 minutes or more. Seek treatment from a physician.

Skin Exposure: Wash skin with cool, soapy water. Remove contaminated clothing.

Ingestion: If ingestion occurs, flush mouth with water and seek medical attention immediately.

If person is conscious, induce vomiting; never induce vomiting on an unconscious person.

Inhalation: If difficulty breathing, administer oxygen. Seek medical attention immediately.

If necessary, provide artificial respiration. Overdose should be treated symptomatically.

Section V - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Not applicable **LEL:** Not Applicable **UEL:** Not Applicable

Flammable Limits: Not applicable

Extinguishing Media: Use water or multi-purpose ABC extinguisher

Special Fire Fighting Procedures: As with all fires, evacuate personnel to a safe area. Fire fighters must wear self-contained breathing apparatus to avoid inhalation of smoke. Product is not expected to present a fire hazard concern.

Unusual Fire/Explosion Hazards: None

Section VI - ACCIDENTAL RELEASE INFORMATION

Release to Land: Absorb Clinamycin with absorbent materials and dispose according to local, state, and federal guidelines. Prevent contact with sewers and waterways. Wash area with soap and water. Wear personal protective equipment.

Release to Air: If aerosolized, reduce exposures by ventilating area; clean up spill immediately to prevent evaporation. Wear respiratory protection as necessary.

Release to Water: Refer to the local water authority; drain disposal is not recommended. Refer to local, state, and federal guidelines.

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: See Section VI above. Wear all necessary protective equipment including nitrile or latex gloves, protective clothing, safety glasses. A dust/mist respirator (N95) may be necessary if excessive aerosols are generated.

Large spills may require the use of protective coveralls, boots, double gloves and SCBAs.

Waste Disposal Method: Dispose of according to local, state, and federal guidelines. Incineration at a licensed facility is recommended.

Precautions to be taken in handling and storing: Store at room temperature (15-25°C). Protect from light.

Other Precautions: None identified.

Section VIII - CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Under normal use, respirators should not be required if adequate ventilation is available. A dust/mist respirator (N95) may be necessary if excessive aerosols are generated. For large spill emergencies, self-contained breathing apparatus (SCBA) may be required. Personnel wearing respirators should be fit tested and approved for respirator use under the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Ventilation: Handle product in a well-ventilated area.

Protective Gloves: Nitrile or latex

Eye Protection: Safety glasses or goggles

Other Protective Clothing or Equipment: Lab coat

Work/Hygienic Practices: Wash hands following use. No eating, drinking, or smoking when handling this product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Liquid

Appearance and Odor: Clear, colorless to slightly amber, no odor

Boiling Point: Approx. 100 °C

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Specific Gravity: Approx. to water

Melting Point: Approx. 0°C

Evaporation Rate: Approx. to water

Solubility in Water: Soluble

pH: 6.3 – 6.5

Section X - STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to Avoid):

Hazardous Decomposition or Byproducts: Decomposition products of this compound may include potentially hazardous byproducts of nitrogen oxides, carbon monoxide, and carbon dioxide.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None identified.

Section XI - TOXICOLOGICAL INFORMATION

For Clindamycin: RTECS # RH6300000

LD₅₀, oral, rat = 2190 mg/kg

LD₁₀, oral, rabbit = 1 mg/kg

LD₁₀, oral, hamster = 1 gm/kg

TD₁₀, oral, man = 89.6 mg/kg

LD₅₀, intramuscular, rat = 3500 mg/kg/

TD₁₀, intravenous, rabbit = 5 mg/kg/

TD₁₀, intraperitoneal, rat = 100 mg/kg

Section XII - ENVIRONMENTAL IMPACT INFORMATION

Information is currently not available on the environmental impact of Clindamycin. Handle in a manner that prevents spills or releases to the environment.

Section XIII - DISPOSAL INFORMATION

Clindamycin should be disposed of in accordance with national, state, local, or applicable regulations. Incineration at an approved, permitted facility is recommended.

Section XIV - TRANSPORTATION INFORMATION

Clindamycin is not a DOT Hazardous Material.
Clindamycin is not a Marine Pollutant.

Section XV - REGULATORY INFORMATION

SARA 313 listed?: No
CERCLA listed?: No
RCRA listed?: No
TSCA listed: Yes

Section XVI - OTHER DATA

1. Use of this product should be through or under the direction of a physician.
This MSDS does not address the therapeutic use of this material
2. Persons administering this drug to patients must be careful to avoid needle sticks to syringes and other sharps used in the administration. All needle sticks must be reported to your company Management.
3. BVL Hazard Category Definitions (internal hazard ranking used by Ben Venue Laboratories):
1 = Low Toxicity
2.= Moderate Toxicity
3 = Potent or Toxic
4 = Highly Potent or Toxic
5 = Extremely Potent or Toxic

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