

Section 4 – FIRE AND EXPLOSION HAZARD DATA**Flammable Properties:** Flash Point: NE**Method:** NE**Extinguisher Media:** Alcohol foam, dry chemical and Carbon dioxide**Hazardous Products:** Toxic fumes.**Fire Fighting Instructions:** Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Do not spray water into the burning material.**Section 5 – REACTIVITY DATA****Stability:** Stable**Incompatibility:** The product has no incompatibilities except those of water e. g. strong acids, bases, alkali metals, alkali hydrides.**Hazardous Decomposition Products:** Emits SO_x , NO_x , and toxic fumes.**Hazardous Polymerization:** Should not occur.**Conditions to Avoid:** Extreme heat, sparks, open flame, oxidizers, strong acids and alkalies.**Section 6 – HEALTH HAZARDS****Potential Health Hazards:**

1. **Eyes:** Use only specified ophthalmic ointment in eyes. Topical ointment could cause eye irritation. May also cause hypersensitivity in some individuals.
2. **Skin:** Non-toxic under standard application.
3. **Ingestion:** May cause irritation and hypersensitivity to some individuals. Ingestion of large quantities may induce gastric disturbances.
4. **Inhalation:** Not likely due to the physical state of the product.

Chronic Effects: May cause irritation and hyper-sensitivity. As with other antibiotic preparations, prolonged use may result in the overgrowth of non-susceptible organisms, including fungi. Appropriate measures should be taken if such situation occurs.**Chemical Listed as Carcinogen or Potential Carcinogen:** Bacitracin Zinc & Polymyxin B Sulfate**National Toxicology Program:** No**I.A.R.C Monographs:** No**OSHA:** No**OSHA Permissible Exposure Limit:** NE**ACGIH Threshold Limit Value:** NE**NE=** Not established**Emergency and First Aid Procedures:**

1. **Eyes:** Flush eyes with copious amounts of water for at least 15 minutes.
2. **Skin:** Wash with soap and water.
3. **Ingestion:** Induce vomiting. Do not give anything to an unconscious person.

Section 7 – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Storage: Store product upright in original containers with the cap tightly closed at a controlled room temperature 20° – 25° C (68° – 77° F). Avoid physical damage and heat.

Neutralizing Chemical Agent: Not relevant

Steps to be taken in case material is released or spilled: Assure slippery conditions are nullified. Add dry sand or a suitable absorbent. Scoop up and remove. Dispose in accordance with federal, state and local regulations.

Waste Disposal Methods: Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

Section 8 – PROTECTION INFORMATION

Engineering Controls: Personal involved in handling the raw material in compounding process should use adequate personal protective equipment, e. g. NIOSH approved respirator, goggles, gloves and protective clothing. Ensure training in the handling of chemical material and use of current Material Safety Data Sheets.

- Airborne Exposure Limits:** NE
- Ventilation:** Recommended
- Skin Protection:** Normal hygiene
- Eye Protection:** Normal hygiene
- Respiratory Protection:** General ventilation.

Section 9 – TOXICOLOGY INFORMATION

LD 50 (Acute oral toxicity of):	Bacitracin Zinc	Polymyxin B Sulfate
LD 50 rat, oral =	NE	NE
LD 50 rat, intravenous =	NE	NE
LD 50 rat, intramuscular =	NE	NE
LD 50 mouse, Oral =	NE	790 mg (base)/kg
LD 50 mouse, intravenous =	NE	5.4 mg/kg
Chronic Effects on Humans: NE		

Section 10 – ECOLOGICAL INFORMATION

- Ecotoxicity:** Not established
- BOD₅ and COD:** Not available
- Environmental fate information:** NE
- Other Precautions:** None

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