

Material Safety Data Sheet

Albac[®]

50

Issue date: September 3, 1998

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1. Identification of substance/ preparation and of the company/ undertaking

Trade name: Albac[®] 50

Chemical name: Bacitracin zinc

Synonyms: BZn

CAS No.: Not applicable

Chemical Family: Polypeptide antibiotic

Product Use: For manufacturing livestock feed

UN No.: Not applicable

Marketed by: Alpharma, Inc.

One Executive Drive

Fort Lee, NJ 07024

Telephone 201-947-7774

Emergency phone no. 24 hrs:

Chemtrec 1-800-424-9300

2. Composition/information on ingredients

Components	CAS No.	%	PEL*
Bacitracin zinc**	1405-89-6	11	--
Edible grain mixture	--	--	--
Calcium carbonate**	471-34-1	--	--

The following components, present at a concentration of $\geq 0.1\%$, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA:

Component	CAS No.	%	PEL*
None	--	--	--

*Permissible Exposure Limit

**OSHA regulated components (present at $\geq 1\%$):

3. Hazards identification

NFPA Hazard Rating (National Fire Protection Association)

Health 0 Fire 1 Reactivity 0 Special

4. First-aid measures

Breathing: Remove from source. Seek medical attention if irritation develops.

Skin: Remove from source and rinse with lukewarm water.

Eye: Remove from source and rinse with lukewarm water for at least 10 minutes.

Swallowing: Rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink 8 to 10 ozs. (240 to 300 ml) of water to dilute material in stomach. Obtain medical advice immediately.

5. Fire-fighting measure

Flammable Properties:

Flash point and method: N/A

Flammable Limits STP: N/A

Extinguishing Media: Water or chemical extinguisher.

Fire-fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires.

Special Fire-fighting Procedures: None

Sensitivity to Explosion: None

Conditions of Flammability: N/A

Unusual Fire and Explosion Hazards: None

6. Accidental release measures

General: Spills - Collect and contain for salvage or disposal. Dry methods of collection; such as shoveling, sweeping or vacuuming, are preferred. Spilled mixture is not considered to be a hazardous commercial product regulated by the US EPA Resource Conservation Recovery Act.

Exposure Controls/Personal Protection: Utilize the appropriate personal protective equipment listed in Section 8.

7. Handling and storage

Handling: Wear light eye covering to protect against dust. Avoid breathing dust; wear filter mask when handling. May cause skin irritation; wear light gloves when handling.



Animal Health Division

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Storage: Store in cool, dry location protected from direct sunlight.

8. Exposure controls/personal protection

Engineering Controls: No special requirement.

Respiratory Protection: Avoid breathing dust; wear filter mask when handling.

Eye/Face Protection: Wear light eye covering to protect against dust.

Skin Protection: May cause skin irritation; wear light gloves when handling.

Other Precautions: None

9. Physical and chemical properties

Appearance: White to light brown

Odor: Slight odor

Taste: Bitter taste

Solubility in Water: Insoluble

Explosive Properties: None

Oxidizing Properties: None

10. Stability and reactivity

Stable: Yes

Strong Oxidizer: No

Hazardous Polymerization: Does not polymerize.

Incompatibility: None

Conditions to avoid: Extremes of temperature, light, and humidity.

Hazardous Decomposition Products: None

11. Toxicological information

This mixture has not been tested as a whole. The information presented below is for bacitracin zinc (BZn) and calcium carbonate (CaCO₃):

Acute Animal Toxicity

Acute, oral LD₅₀: >10 g/kg in rat (BZn); >2 g/kg in guinea pig (BZn)

Acute, oral LD₅₀: >6 g/kg in rat (CaCO₃)

Eye irritation, rabbit, severe (CaCO₃)

Dermal irritation, Rabbit, moderate (CaCO₃)

Acute Human Experience

Allergic/hypersensitive persons may react following exposure (BZn).

Breathing: May cause irritation; avoid breathing dust; wear filter mask when handling.

Skin contact: May cause skin irritation; wear light gloves when handling.

Eye contact: May cause eye irritation; wear light eye covering to protect against dust.

Swallowing: May cause irritation.

Chronic Animal Toxicity

Daily doses of 250 mg/kg (BZn) in dogs for 3 months showed no overt symptoms of toxicity.

Chronic Human Experience

This material is not a known carcinogen. Chronic ingestion of calcium carbonate may cause hypercalcemia, alkalosis, and renal failure.

12. Ecological information

Biodegradable

Daphnia magna LC50 = 34 mg/L (BZ)

Salmo gairdneri LC50 = 74 mg/L (BZ)

13. Disposal considerations

Product: Burn or bury in approved landfill; biodegradable.

Packaging: Burn or bury in approved landfill; biodegradable.

14. Department of Transportation (D.O.T.) information

Proper Shipping Name: Bacitracin Zinc; Zinc Bacitracin; Albac 50

Hazard Class: Non-hazardous

Type of Packaging: Multi-layered paper bags with HDPE liner.

Transport Label: No special label required.

Placard: Not applicable

Marking: Not applicable



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Exempt: Not governed by D.O.T. regulation.
D.O.T. Hazardous Substances: Not applicable

15. Regulatory information

This product is approved and regulated by the US FDA.

Other Environmental Information:

OSHA:

This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

RCRA (40 CFR 261, Subpart D):

None of the OSHA regulated components are listed as hazardous wastes under 40 CFR 261 (Subpart D).

SARA:

Sections 301-304 (Threshold Planning quantity- TPQ) 40

CFR 355:

No TPQ for any OSHA regulated component.

Sections 311-312 (Community Right to Know)

40 CFR 370:

Not applicable to any of the OSHA regulated components.

Section 313 (Toxic Chemical Release reporting)

40 CFR 372:

Not applicable to any OSHA regulated component.

CERCLA:

Section 102 (Reportable Quantity RQ) 40 CFR 302:

Not applicable to any OSHA regulated component.

16. Other information

Note: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.



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