

# MATERIAL SAFETY DATA SHEET

## BACITRACIN OINTMENT

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**EMERGENCY ASSISTANCE:**  
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DATE PREPARED: 5-7-91 BY: Patrick L. Johnson

### SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT NAME: Bacitracin Ointment, USP, Non-sterile, 500 Units/gram

SYNONYMS: Antibiotic First Aid Cream

MOLECULAR FORMULA: Mixture

MOLECULAR WEIGHT: Not applicable

CHEMICAL NAME: Not applicable

CHEMICAL FAMILY: Not applicable

<u>INGREDIENT (CAS NUMBER)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Bacitracin (1405-87-4)	500 Units/gram	N/A	N/A
Petrolatum (8009-03-8)	~80	N/A	N/A
Lanolin (8006-54-0)	~10	N/A	N/A
Mineral oil (8042-47-5)	~5	5 mg/m <sup>3</sup> (MIST)	5 mg/m <sup>3</sup> (MIST)
White wax (8012-89-3)	~1	N/A	N/A

### SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A  
(WATER = 1)

EVAPORATION RATE: Nil  
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble

WATER REACTIVE: No

APPEARANCE AND ODOR: Smooth, yellowish ointment mass with a slight odor of lanolin.

<b>SECTION 3 - FIRE AND EXPLOSION DATA</b>
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FLASH POINT (METHOD): N/A                      AUTOIGNITION TEMPERATURE: N/A  
FLAMMABLE LIMITS: LOWER: N/A              UPPER: N/A

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: As with any organic compound, this material may produce toxic carbon monoxide and carbon dioxide fumes if heated to decomposition (as under fire conditions).

<b>SECTION 4 - REACTIVITY HAZARD DATA</b>
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STABILITY: Stable ( X )    Unstable ( )

INCOMPATIBILITY (MATERIALS TO AVOID): None reported.

HAZARDOUS DECOMPOSITION PRODUCTS: As with any organic compound, this material may produce toxic carbon monoxide and carbon dioxide fumes if heated to decomposition.

HAZARDOUS POLYMERIZATION: May Occur ( )    Will Not Occur ( X )

<b>SECTION 5 - HEALTH HAZARD DATA</b>
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TOXICITY:    No specific toxicity data available for this product.

CARCINOGEN LISTED BY:	NTP	Yes ( )	No ( X )
	IARC	Yes ( )	No ( X )
	OSHA	Yes ( )	No ( X )
	Other	Yes ( )	No ( X )

ROUTES OF ENTRY: Ingestion, absorption.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: No adverse effects expected due to inhalation.

EYE CONTACT: May cause irritation.

**SKIN CONTACT:** May cause irritation.

**INGESTION:** May cause irritation of the gastrointestinal tract.

**CHRONIC EFFECTS OF OVEREXPOSURE:** May cause hypersensitivity to one or more of the ingredients in this product.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Hypersensitivity to any of the ingredients in this product.

**OTHER PRECAUTIONS TO CONSIDER:** Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** No adverse effects expected from inhalation.

**EYE CONTACT:** Flush with water for at least 15 minutes. If irritation persists or develops seek medical attention.

**SKIN CONTACT:** Wash thoroughly with soap and water. If irritation persists or develops seek medical attention.

**INGESTION:** None of the ingredients in this product normally present a hazard if ingested, however, contact a poison control center or health professional immediately if ingested.

<b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b>
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**RESPIRATORY PROTECTION:** None needed under normal use.

**PROTECTIVE GLOVES:** Rubber.

**EYE PROTECTION:** Safety glasses or goggles. Avoid wearing contact lenses when working with this or any chemical due to the possibility of increased severity of eye damage.

**VENTILATION:** None needed under normal use.

**OTHER PROTECTIVE EQUIPMENT:** None.

**HYGIENIC WORK PRACTICES:** Do not eat, drink or smoke near this material. Wash thoroughly after handling and wash any contaminated clothing before reuse.

**SECTION 7 - HANDLING AND STORAGE PRECAUTIONS**

**HANDLING PRECAUTIONS:** Avoid contact with eyes, skin or clothing. Wash thoroughly after handling and wash any contaminated clothing before reuse.

**STORAGE PRECAUTIONS:** Store in a tight container in a cool, dry, well ventilated location.

**SECTION 8 - SPILL AND DISPOSAL PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE:** Wear protective gloves. Scoop or wipe up spillage and place in a tight container. Wash and ventilate spill site. Wash thoroughly after handling and wash any contaminated clothing before reuse.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

**SECTION 9 - DISCLAIMER**

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**DEFINITIONS OF ABBREVIATIONS USED:**

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstract Service
IARC:	Internal Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health level
LC <sub>50</sub> :	Median Lethal Concentration
LD <sub>50</sub> :	Median Lethal Dose
MSHA:	Mine Safety and Health Administration
N/A:	Not available
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average