



MATERIAL SAFETY DATA SHEET

Product Name: Sterile Vancomycin Hydrochloride Injection, USP

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Manufacturer Name
And Address** Hospira, Inc.
275 North Field Drive
Lake Forest, Illinois 60045
USA

**Emergency Telephone
Hospira, Inc.** CHEMTREC: 800 424-9300
224 212-2055

Product Name Vancomycin Hydrochloride

Synonyms None

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name Vancomycin Hydrochloride
Chemical Formula $C_{66}H_{76}Cl_3N_9O_{24}$

| Component | Approximate Percent by Weight | CAS Number | RTECS Number |
|--------------------------|----------------------------------|------------|--------------|
| Vancomycin Hydrochloride | 100 | 1404-93-9 | YW4380000 |

3. HAZARD INFORMATION

Emergency Overview In clinical use, this material is used as an antibiotic to treat infection. Possible target organs include the ears, kidneys, fetus, skin, eyes, blood and cardiovascular system.

**Occupational Exposure
Potential** Information on the absorption of this compound via ingestion, inhalation or skin contact is not available. Avoid liquid aerosol generation and skin contact.

Signs and Symptoms No signs or symptoms from occupational exposure are known. Clinical data suggest the following: nausea, , abnormal kidney function, decreased blood pressure, altered hematology profile, allergic reactions.

**Medical Conditions
Aggravated by Exposure** Hypersensitivity to the material and/or similar materials. Pre-existing ailments in the following organs: skin, eyes, ears, gastrointestinal system, kidneys.

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4. FIRST AID MEASURES

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|----------------------|---|
| Eye Contact: | Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary. |
| Skin Contact: | Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary. |
| Inhalation: | Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic / supportive care as necessary. |
| Ingestion: | Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic / supportive care as necessary. |

5. FIRE FIGHTING MEASURES

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| Flammability: | Non-flammable |
| Fire & Explosion Hazard: | None |
| Extinguishing Media: | Use extinguishing media appropriate for primary cause of fire. |
| Special Fire Fighting Procedures | No special provisions required beyond normal fire fighting equipment such as flame and chemical resistant clothing and self contained breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES

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| Spill Cleanup and Disposal | Absorb with suitable material and clean affected area with soap and water. Dispose of materials according to the applicable federal, state, or local regulations. |
|-----------------------------------|---|

7. HANDLING AND STORAGE

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|----------------------------|---|
| Handling | No special handling required. |
| Storage | No special storage required for hazard control. For product protection store at controlled room temperature of 15-30°C (59-86°F). |
| Special Precautions | Protect from freezing and extreme heat. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Component | Exposure limits | | |
|--------------------------|---------------------------|---------------------------|--|
| | OSHA-PEL | ACGIH-TLV | Hospira EEL |
| Vancomycin Hydrochloride | 8 hr TWA: Not Established | 8 hr TWA: Not Established | 8 hr TWA: 1 mg/m ³ STEL: Not Established |

Notes: OSHA PEL: US Occupational Safety and Health Administration – Permissible Exposure Limit
ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value.
EEL: Employee Exposure Limit.
TWA: 8 hour Time Weighted Average.
STEL: 15-minute Short Term Exposure Limit.

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|-------------------------------|---|
| Respiratory Protection | Respiratory protection is not needed during normal product use. |
| Skin Protection | If solution contact with unprotected skin is likely, use of impervious gloves is a prudent practice. |
| Eye Protection | Eye protection is not required during expected product use conditions but may be warranted should a splash potential exist. |
| Engineering Controls | Engineering controls are not needed during normal product use conditions. |

9. PHYSICAL/CHEMICAL PROPERTIES

| | |
|----------------------------------|---------------------------|
| Appearance/Physical State | White to tan caked powder |
| Odor | Not Determined |
| Boiling Point | Not Determined |
| Freezing Point | 210°F |
| Vapor Pressure | Not Determined |
| Vapor Density (Air=1) | Not Applicable |
| Evaporation Rate | Not Applicable |
| Bulk Density | Not Determined |
| Specific Gravity | Not Determined |
| Solubility | Water, ether, alcohol |
| pH | 2.5 – 4.5 |

10. STABILITY AND REACTIVITY

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|---|---|
| Chemical Stability | Stable under standard use and storage conditions. |
| Incompatibilities | None |
| Hazardous Decomposition Products | Acrid smoke and fumes. |
| Hazardous Polymerization | Not Determined. |

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity – Oral:

| Ingredient(s) | Percent | Test Type | Value | Units | Species |
|--------------------------|---------|-----------|-------|-------|------------|
| Vancomycin Hydrochloride | 100 | LD50 | 5000 | mg/kg | Rats, Mice |

LD50: Dosage needed to produce 50% mortality.

Product contains approximately 100% Vancomycin Hydrochloride.

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|-----------------------------|---|
| Mutagenicity | Not Determined |
| Target Organ Effects | In clinical use target organ effects include gastrointestinal tract, kidneys, and ears. |

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12. ECOLOGICAL INFORMATION:

Aquatic Toxicity Not Available

13. DISPOSAL CONSIDERATIONS:

Waste Disposal Disposal should be performed in accordance with the federal, state or local regulatory requirements.

Container Handling and Disposal Dispose of container and unused contents in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT Not Regulated

Notes: DOT - US Department of Transportation Regulations

15. REGULATORY INFORMATION

TSCA Status Not Regulated
CERCLA Status Not Regulated
SARA Status Not Regulated
RCRA Status Not Regulated
PROP 65 (Calif.) Not Regulated

Notes: TSCA Toxic Substance Control Act
CERCLA, US EPA law, Comprehensive Environmental Response, Compensation, and Liability Act
SARA Superfund Amendments and Reauthorization Act
RCRA US EPA, Resource Conservation and Recovery Act
Prop 65, California Proposition 65

16. OTHER INFORMATION:

MSDS Coordinator Global Occupational Toxicology
Date Prepared September 15, 2005
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