



MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyflex

Product No.: RM1000090

GHS Product Identifier: Not applicable

Synonyms: No data available

Molecular Formula: Mixture, not applicable

Molecular Weight: Mixture, not applicable

CAS Number: Mixture, not applicable

Chemical Family: Antibiotic

Manufacturer:

Hanford Pharmaceuticals

304 Oneida St.

Syracuse, NY 13202

(315) 476-7418

Transportation Emergency: For Chemical

Emergency Spill, Leak, Fire, Exposure, or
Accident Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-527-3887
(collect calls accepted)

Medical Emergency (24HR): (866) 638-2226

Non-emergency Telephone: (800) 821-7467

Intended Use: Broad spectrum penicillin
which has bactericidal activity against a wide
range of common bacteria

2 HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Solid, powder (utilized for injectable suspension)

Color: White (light)

Odor: Penicillin



CAUTION!

For use in animals only.

Not for human use.

Precautionary Statements:

Keep only in original container.

Keep at a temperature not exceeding 30° C.

Fire-fighting: Use foam, carbon dioxide, dry powder and water fog or material appropriate for surrounding fire.

Avoid contact with eyes, skin and clothing.

Wash thoroughly with soap and water after handling.

Wear suitable gloves and eye/face protection.

Spills: Sweep spilled substance into appropriate waste containers.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If swallowed, seek medical advice immediately and show this container or label.

In case of contact with eyes, flush with gently flowing fresh water thoroughly.

Wash skin thoroughly with soap and water after handling.

Dispose of contents and container in accordance with applicable local authority requirements.

Keep out of reach of children.

Keep away from food, drink, and animal feedstuffs.

Potential Health Effects

Inhalation: Dust may irritate the respiratory tract. Exposure may cause coughing, wheezing and irritation.

Eye Contact: May cause slight eye irritation if exposed. Exposure may cause eye tearing, redness, and discomfort.

Skin Contact: Prolonged or repeated contact may cause itching, redness, and rash in some individuals or animals.

Ingestion: Expected to be a low ingestion hazard. Exposure may cause vomiting, nausea, diarrhea or other systemic effects.

Chronic Health Effects: Prolonged and repeated exposure may cause possible hypersensitization and central nervous system effects.

Target Organ(s): Skin, Blood

OSHA Regulatory Status: Non-hazardous (exempt)

Environment: No data available

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COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS- No.	Concentration	Classification	Notes
Ampicillin Trihydrate	615-347-9	7177-48-2	100%	----	----

Components not listed are not hazardous or are below reportable limits.

The full texts for all R-Phrases are displayed in Section 16.

4 FIRST AID MEASURES

General: Animals or persons developing anaphylactic (life-threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention.

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eye Contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

Note to Physician: For use in animals only. Not for human use.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish with water spray, dry chemical, carbon dioxide

Unsuitable Extinguishing Media: None known

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: High dust concentrations may form explosive mixtures in air.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides, sulfur oxides

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment (See Section 8).

Spill Cleanup Methods: STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF PRODUCT IS SPILLED: Sweep up. Minimize dust accumulation. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before use.

Environmental Precautions: Prevent runoff from entering drains, sewers or streams. Dike for later disposal.

7 HANDLING AND STORAGE

Handling: HANDLING SIGNIFICANT QUANTITIES OF PRODUCT: Avoid contact with eyes, skin or clothing. Wash hand thoroughly after handling.

Storage: Keep only in the original container. Store at 15°-30° C (59°-86° F). Store out of direct sunlight. Store away from foodstuffs.

8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Limits: None Established.

Engineering Controls: Not generally required when handling containers. Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: Not generally required when handling containers. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA standard 63 FR 1152, January 8, 1998. Respirator type: NIOSH approved particulate respirator.

Europe: Wear appropriate personal protective equipment according to the Council Directive 89/686/EEC (4) and the appropriate CEN standards.

PERSONAL PROTECTIVE EQUIPMENT: Not generally required when handling containers. If containers are compromised or exposure to the mixture is likely wear:

Eye Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Wear suitable gloves.

Skin Protection: Wear lab coat, apron or appropriate clothing to prevent skin contact.

Hygiene Measures: Eye bath, washing facilities

9**PHYSICAL AND CHEMICAL PROPERTIES**

Color: White (light)

Odor: Penicillin

Odor Threshold: No data available

Physical State: Solid, powder (utilized for injectable suspension)

pH: Acidic

Melting Point: No data available

Freezing Point: Not applicable

Boiling Point: Not applicable

Flash Point: Not applicable; combustible solid

Flammability Limit – Upper (%): Not applicable

Flammability Limit – Lower (%): Not applicable

Evaporation rate: Not applicable

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Viscosity: Not applicable

Specific Gravity: No data available

Solubility: Slight, Soluble in cold water, hot water

Partition Coefficient (n-Octanol/water): Not applicable

Autoignition Temperature: No applicable

Decomposition Temperature: No applicable

10 STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: High temperatures

Incompatible Materials: Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, sulfur oxides

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Specified Substances

Acute Toxicity

Chemical Name	Test Results
Ampicillin trihydrate	Oral LD50 (rat): 10 g/kg

Listed Carcinogens: None listed.

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Germany WGK: No data available

13 DISPOSAL CONSIDERATIONS

General Information: Dispose of in accordance with local, state, federal, national or international regulations.

Disposal Methods: No specific disposal method required. Do not empty into drains. Dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by disposal.

RCRA Information: Not applicable

14**TRANSPORT INFORMATION**

DOT: Not Regulated

TDG: Not Regulated

ADR/RID: Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

15**REGULATORY INFORMATION**

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS Classification: Non-controlled

Inventory Status

This material **is** listed on the following inventories: AICS, PICCS and NZIoC.

This material is **not** listed on the following inventories: TSCA, DSL, EINECS, IECSC, ENCS and KECL. Therefore, it can only be used for TSCA exempt purposes such as R&D or veterinary use.

US Regulations

FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON ORDER OF LICENSED VETERINARIANS.

CERCLA Hazardous Substance List (40 CFR 302.4): None listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None listed.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None listed.

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed.

Section 311/312 (40 CFR 370): Not regulated.

Section 313 Toxic Release Inventory (40 CFR 372): None listed.

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): None listed.

Massachusetts Right-To-Know List: None listed.

Minnesota Hazardous Substances List: None listed.

New Jersey Right-To-Know List: None listed.

Pennsylvania Right-To-Know List: None listed.

Rhode Island Right-To-Know List: None listed.

European Regulations

Austria MAK List (Annex I): None listed.

Denmark (Annex 3.6): None listed.

Germany (Dangerous Substances Ordinance 2004, Annex III): None listed.

Norway (List of Dangerous Substance): None listed.

Sweden (Annex 3): None listed.

Switzerland (Toxins List 1): None listed.

16 OTHER INFORMATION

Hazard Ratings

	Health Hazard	Fire Hazard	Reactivity Hazard
HMIS	1	1	0

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
NFPA	1	1	0	N/A

* – Chronic health effect; 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe

ABBREVIATIONS:

BIV – Boehringer Ingelheim Vetmedica, Inc.

AIHA – American Industrial Hygiene Association

mppcf – million particles/cubic foot

N/A – Not applicable.

N/E – Not established.

References:

1. Polyflex MSDS and Package Insert. Fort Dodge Animal Health.
2. Ariel WebInsight Regulatory Database. Regulatory Summary for North America, Western Europe, and Global Inventories Database.
3. GHS Manual

Revision Information: New MSDS

Prepared by: Boehringer Ingelheim Vetmedica, Inc.

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