

Pharmacia & Upjohn

Agent ID# 35233

QUARTERMASTER® Suspension MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMMON NAME: QUARTERMASTER® Suspension
MOLECULAR FORMULA: Mixture

USE: Veterinary product for intramammary use to reduce the frequency of existing infection and to prevent new infections with *Staphylococcus aureus* in dry cows. Not for human use.

MANUFACTURER/SUPPLIER:
PHARMACIA & UPJOHN CO., A SUBSIDIARY OF
PHARMACIA CORP.
7171 PORTAGE RD
KALAMAZOO, MI 49001-0199

TELEPHONE NUMBERS:
(616) 833-5122 - (24 Hours)
(616) 833-7555 - (8:00 AM - 4:30 PM, EST)

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT 1

COMMON NAME: Peanut oil
% BY WEIGHT: 80 % (approximately)
CAS NUMBER: 8002-03-7
EXPOSURE LIMIT(S): Not established.

INGREDIENT 2

COMMON NAME: Dihydrostreptomycin sulfate
% BY WEIGHT: 10 % (approximately)
CAS NUMBER: 1425-61-2
EXPOSURE LIMIT(S): Not established.

INGREDIENT 3

COMMON NAME: Procaine penicillin G monohydrate
% BY WEIGHT: 10 % (approximately)
CAS NUMBER: 6130-64-9
EXPOSURE LIMIT(S): Not established.

EXPOSURE LIMIT(S) FOR THE MATERIAL: Not established.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE: Skin contact, eye contact, ingestion, and inhalation.

EFFECTS OF OVEREXPOSURE: This product contains penicillin, which may cause allergic reactions in sensitive individuals. Manifestations of an allergic response may include skin rash or anaphylactic reaction. Dihydrostreptomycin sulfate may cause skin and eye irritation and skin sensitization. Dihydrostreptomycin is toxic by the intravenous route. It is moderately toxic by intraperitoneal and subcutaneous routes. It is not recommended for use by humans since it may cause partial or complete loss of hearing.

MEDICAL CONDITIONS AGGRAVATED BY

EXPOSURE: Hypersensitivity to any of the penicillins.

4. FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

SKIN: Wash off with soap and water. Take off all contaminated clothing immediately.

INHALATION: Move to fresh air.

INGESTION: Contact a physician or poison control center. Get medical attention immediately if anaphylaxis is suspected.

5. FIRE FIGHTING MEASURES

FLASH POINT: Nonflammable.

LOWER EXPLOSION LIMIT (LEL): Not applicable.

UPPER EXPLOSION LIMIT (UEL): Not applicable.

EXTINGUISHING MEDIA: Water, carbon dioxide or dry chemical.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full-body protective equipment.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide. Carbon dioxide. Nitrogen oxides. Sulfur oxides.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS

RELEASED OR SPILLED: Provide ventilation and respiratory, skin and eye protection to prevent overexposure. Keep out of drains; prevent entry to surface water, groundwater and soil. Vacuum or scoop spilled material and place in container.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING AND STORING:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Launder contaminated clothing before reuse. Store at controlled room temperature, 15° to 30°C (59° to 86°F). Protect from light. Keep out of reach of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not required.

VENTILATION: Local exhaust.

PROTECTIVE GLOVES: Not required.

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EYE PROTECTION: Not required.
OTHER PROTECTIVE EQUIPMENT: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Oily liquid.
MOLECULAR WEIGHT: Mixture.

10. STABILITY AND REACTIVITY

STABILITY: Stable.
PHYSICAL CONDITIONS TO AVOID: None.
INCOMPATIBILITY WITH OTHER MATERIALS: None.
HAZARDOUS DECOMPOSITION PRODUCTS: None.
HAZARDOUS POLYMERIZATION: Does not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE STUDIES:
SENSITIZATION: Penicillins are a sensitizing agent. Hypersensitivity reactions are frequently reported. Dihydrostreptomycin sulfate may cause skin sensitization.
INTRAVENOUS LD50 (RAT): 97 mg/kg (penicillin G procaine).
ORAL LD50 (MOUSE): >2 g/kg (penicillin G procaine); >600 mg/kg (dihydrostreptomycin sulfate).
INTRAPERITONEAL LD50 (MOUSE): 146 mg/kg (penicillin G procaine); 1,380 mg/kg (dihydrostreptomycin sulfate).
SUBCUTANEOUS LD50 (RAT): >6 g/kg (penicillin G procaine); 1,100 mg/kg (dihydrostreptomycin sulfate).
SUBCUTANEOUS LD50 (MOUSE): 2,300 mg/kg (penicillin G procaine); 761 mg/kg (dihydrostreptomycin sulfate).
OTHER STUDIES:
CARCINOGENICITY: Ingredient(s) are not listed as carcinogenic by IARC, NTP or OSHA.

12. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of by incineration in accordance with applicable international, national, state and/or local waste disposal regulations.

13. SHIPPING REGULATIONS

Not regulated for transportation by the United States Department of Transportation (DOT), International Maritime Organization (IMO), or International Air Transport

Association (IATA). May be subject to state and/or local transportation requirements.

14. OTHER INFORMATION

REVIEWED BY: Environment & Safety
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15. LABELING

This drug is subject to FDA labeling requirements; therefore, it is exempt from the labeling requirements of the OSHA Hazard Communication Standard.

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