

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMMON NAME: DOXIROBE™
SYNONYMS: DOXIROBE™ brand of doxycycline gel
MOLECULAR FORMULA: Mixture
USE: Veterinary product indicated for the treatment and control of periodontal disease in dogs. 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: 1-Methyl-2-Pyrrolidone
% BY WEIGHT: 57 %
CAS NUMBER: 872-50-4
EXPOSURE LIMIT(S): Not established.

INGREDIENT 2
COMMON NAME: Poly(lactic acid-glycolic acid)
% BY WEIGHT: 33 %
EXPOSURE LIMIT(S): Not established.

INGREDIENT 3
COMMON NAME: Doxycycline hyclate
% BY WEIGHT: 10 %
EXPOSURE LIMIT(S): Not established.

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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause eye and skin irritation and allergic reactions.
PRIMARY ROUTE(S) OF EXPOSURE: Skin contact, eye contact, ingestion, and inhalation.
EFFECTS OF OVEREXPOSURE: May cause gastrointestinal irritation via oral exposure. May cause hypersensitivity to tetracyclines.

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.

5. FIRE FIGHTING MEASURES

FLASH POINT (PENSKEY-MARTENS CLOSED CUP TESTER): 91°C (196°F) (for 1-methyl-2-pyrrolidone)
LOWER EXPLOSION LIMIT (LEL): 1.3% (for 1-methyl-2-pyrrolidone)
UPPER EXPLOSION LIMIT (UEL): 9.5% (for 1-methyl-2-pyrrolidone)
AUTOIGNITION TEMPERATURE: 245°C (473°F) (for 1-methyl-2-pyrrolidone)
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.

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 clothes before reuse. Store in a refrigerator at 2-8°C (36-46°F). Protect from light. Keep out of the reach of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not required.
VENTILATION: Local exhaust.
PROTECTIVE GLOVES: Rubber.
EYE PROTECTION: Not required.
OTHER PROTECTIVE EQUIPMENT: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Each unit of DOXIROBE Gel contains Syringe A (polymer delivery system) and Syringe B (doxycycline), which when mixed result in approximately 0.5 ml of doxycycline solution.

MOLECULAR WEIGHT: Mixture

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.

PHYSICAL CONDITIONS TO AVOID: None.

INCOMPATIBILITY WITH OTHER MATERIALS: None.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Does not occur.

11. TOXICOLOGICAL INFORMATION

OTHER STUDIES:

TERATOGENICITY: The use of drugs of the tetracycline class during tooth development (last half of pregnancy, infancy and childhood to the age of 8 years) may cause permanent discoloration of the teeth.

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

DISCLAIMER: The information contained in the MSDS is believed to be correct as of its date of issuance. BY MAKING THE MSDS AVAILABLE, PHARMACIA & UPJOHN DOES NOT MAKE ANY EXPRESS OR

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16. 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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