Material Safety Data Sheet

ToMORROW

WW MSDS No. 191146

Section 1. Product and Company Identification

Manufactured/ Supplied by	Fort Dodge Animal Health 800 5th Street NW P.O. Box 518 Fort Dodge, IA 50501 Phone: 515-955-4600 Fax: 515-955-9149
Product Trade Name	ToMORROW
Common Name	Not applicable.
Synonyms	cephapirin, Cefa-Lak benzathine
Chemical Formula	Mixture.
Chemical Family	Veterinary pharmaceutical.
Material Uses	Pharmaceutical industry: Anti-infective Agent
Packaging	Prefilled syringe/tube.
Formula Type	Injectable solution.

Date of Preparation	**5 March 2004**
Product No.	191146
Formula No.	Not available.
CAS No.	Mixture.
U.N. No.	Not applicable.
EINECS No.	Mixture.
In Case of Emergency	515-955-6033

Section 2. Composition - Information on Ingredients

Name of Ingredients	CAS No.	Conc.	EU Symbol	R Phrase
1) Cephapirin Benzathine		3.29	Not controlled.	Not controlled.
2) Peanut Oil	8002-03-7	96.7	Not controlled.	Not controlled.

Section 3. Hazards Identification - Summary of Primary Effects and Critical Hazards

Acute Health Effects	Significant adverse health effects are associated with chronic high level exposures.
Chronic Health Effects	Potential organ systems affected are: Gastrointestinal Tract. Adverse effects could include: allergic reaction discomfort (gastrointestinal)
Environmental Hazards	No known significant effects or critical hazards.

Section 4. First Aid Measures - (by medical responders using "Universal Precautions")

Eye Contact	Flush eyes with plenty of water for 15 minutes, occasionally lifting upper and lower eyelids. (Check person for contact lenses and remove if present.) If redness or irritation persists have eyes examined by doctor immediately.
Skin Contact	Flush skin with plenty of soap and water for at least 15 minutes (remove all contaminated clothing and shoes). Get medical attention if symptoms persist.
Inhalation	No specific treatment, treat symptomaticaly. If breathing is difficult give oxygen, if respiratory arrest occurs provide artificial respiration and seek immediate medical assistance.
Ingestion	No specific treatment, treat symptomatically. Call medical doctor or poison control center immediately if large quantities are ingested.
Notes to Medical Doctor	Direct treatment at control of symptoms.

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Section 5. Fire-Fighting Measures

Extinguishing Media and Instructions	Follow your company's procedures. Use an extinguishing agent suitable for the surrounding class of fire.
Special Exposure Hazards	In certain Fire conditions, traces of other toxic gases may be emitted. Dispose of fire debris and contaminated fire fighting water in accordance with regulations (see Sections 12 & 15).
Special Fire Fighting Protective Equipment	Qualified persons wearing full fire-fighting suits and approved/certified self-contained breathing apparatus.

Section 6. Accidental Release Measures

Small Spill Guidelines	Follow your company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see Section 8). Use a tool to scoop up solid or absorbed material and put into appropriate labeled waste container.
Large Spill Guidelines	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions	No special measures are typically indicated.

Section 7. Handling and Storage

Handling (ventilation and fire prevention)	Avoid contact with eyes, skin, and clothing. Avoid generating or breathing product aerosol. Wash after handling.
Storage (conditions and limitations)	Store tightly closed in original container. Keep containers in a well ventilated, secure location.

Section 8. Exposure Controls and Personal Protection - (normal and intended use)

Exposure Guidelines

Component	REG. Limit	OSHA (PEL)	ACGIH (TLV®)	Company Guideline
No hazardous ingredients				

Engineering Design and Control Measures	General ventilation is typically sufficient to keep airborne levels below established values. Provide eye wash and quick drench shower close to work station. Clean, appropriately launder, or dispose of all potentially contaminated work clothing, foot wear, and protective equipment after use.
Protective Clothing	
Eyes	Safety glasses, goggles or face shield where product aerosol or splash potential exists.
Skin	Lab coat.
Hands	Gloves, Chemical resistant.
Respiratory	Respirator selection must be based on anticipated exposure levels, product hazards, and the safe working limits of the selected respirator. A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Emulsion liquid.)	**Odor**	Not available.
Molecular Weight	Mixture.	**Color**	White to yellowish. (Light.)
Boiling Point	Not available.	**pH**	Not applicable.
Melting/Freezing Point	-5°C (23°F)		
Density/Bulk Density	0.912 (Water = 1)		

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Vapor Pressure	Not available.
Vapor Density	Not available.
Viscosity	Not available.
Partition Coefficient	Not available.
Solubility	Cefa-Dri®: Insoluble in cold water, hot water.
Flash Point	OPEN CUP: 283°C (541.4°F).
Autoignition Point	440°C (824°F)
Explosion Limits	Not applicable.
Dust Explosivity	Not applicable.

Section 10. Stability and Reactivity

Conditions to Avoid and Incompatibility	Reactive with acids, alkalis. Slightly reactive to reactive with oxidizing agents.
Decomposition Products	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...).

Section 11. Toxicological Information

Acute Effects

Component	Test	Result	Route	Species
1) Cephapirin Benzathine	Not available.			
2) Peanut Oil	Not available.			

Eye Contact	Slightly irritating (USA). Irritating (EU).
Skin Contact	Moderatately irritating (USA). Irritating (EU).
Inhalation	Not available.
Ingestion	May cause allergic reaction

Chronic Effects

Target Organs	Potential organ systems affected are: Gastrointestinal Tract.
Adverse Effects Statements	Adverse effects could include: allergic reaction discomfort (gastrointestinal).
Sensitization	Not available.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic Effects	Not mutagenic in a standard battery of genetic toxicological tests.
Teratogenic Effects	No known human teratogenic effect
Reproductive Effects	No evidence of human reproductive effects.
Other Effects	Not available.

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Section 12. Ecological Information

Environmental Fate Not available.

Environmental Hazards No known significant effects or critical hazards.

Ecotoxicity

Component	Species	Period	Result
No hazardous ingredients			

Other Not available.

Section 13. Disposal Considerations

Waste Handling and Disposal Medical waste Avoid disposal, make attempts to use product completely in accordance with intended use. Incinerate unwanted products and waste materials.

Note: The waste generator must be informed of and follow all applicable rules and regulations for the handling and disposal of waste.

Section 14. Transport Information

Proper Shipping Name, Primary Class, UNNA Number, Pakaging Group Not controlled.

ADR/RID Classification (Road and Rail Transport) Not controlled.

ADNR Classification (Inland Waterways) Not controlled.

IMO/IMDG Class (Maritime Transport) Not controlled.

ICAO/IATA (Air Transport) Not controlled.

CEFIC Tremcard Not available.

HI Kemler Not available.

U.S.A. DOT Class Not controlled.

RQ Not applicable.

NFPA

Flammability
Health
Reactivity
Specific hazard

Packaging Intructions Not available.

Section 15. Regulatory Information and Warning Labels

(R) Risk Phrases Not controlled under dsd (Europe).

(S) Safety Phrases Not applicable.

TSCA 8(b) inventory: Peanut Oil
Germany water endangerment: Cefa-Dri® (FDAH), Class 3 (Self-Assigned)

NOTE: This product has been classified in accordance with applicable country-specific regulations.

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Section 16. Other Key Information

Other Considerations See product label and package insert for additional information.
Not available.

17 June 2004 **Responsible for MSDS:** FDAH Environmental, Health, and Safety Department

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Notice to Reader

**** This symbol indicates information which has changed from the previous MSDS.***

The information provided in this MSDS is based on current knowledge, however, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package precautions and this information. All materials may present unknown hazards and should be used with caution.