



Material Safety Data Sheet

Tetanus Toxoid

WW MSDS No. 20-2773

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	Date of Preparation	18 January 2002
		Product No.	20-2773
Product Trade Name	Tetanus Toxoid	Formula No.	NA
Common Name	Tetanus Toxoid	CAS No.	NA
Synonyms	None.	U.N. No.	NA
Chemical Formula	NA	EINECS No.	NA
Chemical Family	Veterinary Vaccine.	In Case of Emergency 515-955-6033	
Material Uses	Veterinary Biological.		
Packaging	Vial. Prefilled syringe/tube.		
Formula Type	Injectable solution.		

Section 2. Composition - Information on Ingredients

Name of Ingredients	CAS No.	Conc.	EU Symbol	R Phrase
1) Tetanus toxoid 2) May contain thimerosal, neomycin, formalin, polymyxin B, and/or amphotericin B as a preservative.	NA Various	Unknown <0.01%		

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

Acute Health Effects	Vaccine contains inactivated virus and is not pathogenic. Adverse health effects are considered unlikely when the product is administered according to label directions.
Chronic Health Effects	Not considered to be toxic for humans.
Environmental Hazards	Releases of small quantities are unlikely to affect adversely the functioning of water treatment plants.

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

Eye Contact	May cause eye irritation.
Skin Contact	NO KNOWN EFFECT. After contact with skin, wash immediately with plenty of water.
Inhalation	No specific data.
Ingestion	If ingested, seek medical advice immediately and show the container or the label.
Notes to Medical Doctor	For self-inoculation, immediately wash injection site with soap and water. Bleeding, if present, from the puncture wound should be encouraged. Direct treatment at control of symptoms.

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Section 5. Fire-Fighting Measures

Extinguishing Media and Instructions	Aqueous solutions are non-flammable. Use DRY chemicals, CO2, alcohol foam or water spray.
Special Exposure Hazards	None. Dispose of fire debris and contaminated fire fighting water in accordance with regulations.
Special Fire Fighting Protective Equipment	Full fire-fighting attire and approved certified self-contained breathing apparatus worn only by qualified persons.

Section 6. Accidental Release Measures

Small Spill Guidelines	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill Guidelines	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Call for assistance on disposal.
Environmental Precautions	Keep out of waterways.

Section 7. Handling and Storage

Handling (ventilation and fire prevention)	No special measures required.
Storage (conditions and limitations)	Keep only in the original container at a temperature not exceeding 7 deg. C. S02- Keep out of the reach of children

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	No special measures required.			
Protective Clothing				
Eyes	Safety glasses.			
Skin	Gloves, Latex			
Hands	Gloves, Latex			
Respiratory	A respirator is not needed under normal and intended conditions of product use.			

Section 9. Physical and Chemical Properties

Physical State and Appearance	Opaque liquid	Odor	Odorless.
		Color	Reddish-white.
		pH	6 - 8
Molecular Weight	unknown		
Boiling Point	unknown		
Melting/Freezing Point	unknown		
Density/Bulk Density	unknown		
Vapor Pressure	unknown		
Vapor Density	unknown		

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Viscosity	unknown	
Partition Coefficient	unknown	
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.	
Flash Point	NA	
Autoignition Point	NA	
Explosion Limits	NA	
Dust Explosivity	NA	

Section 10. Stability and Reactivity	
Conditions to Avoid and Incompatibility	The product is stable.
Decomposition Products	None.

Section 11. Toxicological Information				
Acute Effects				
Component	Test	Result	Route	Species
No hazardous ingredients				
Eye Contact		Mildly irritating to the eyes.		
Skin Contact		No evidence of risk in humans.		
Inhalation		No evidence of risk in humans.		
Ingestion		Not considered to be toxic for humans.		
Chronic Effects				
Target Organs		None.		
Adverse Effects Statements		Not known.		
Sensitization		No evidence.		
Carcinogenic Effects		There is no known effect from chronic exposure to this product. No evidence of human carcinogenic effects		
Mutagenic Effects		Adverse health effects are considered unlikely when the product is administered according to label directions.		
Teratogenic Effects		No evidence of risk in humans. No known human teratogenic effect		
Reproductive Effects		Not considered to be toxic for the reproductive system.		
Other Effects		Adverse health effects are considered unlikely when the product is administered according to label directions.		

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Section 12. Ecological Information

Environmental Fate Not evaluated. No known significant effects or critical hazards.

Environmental Hazards Releases of small quantities are unlikely to affect adversely the functioning of water treatment plants.

Ecotoxicity

Component	Species	Period	Result
No hazardous ingredients			

Other

Section 13. Disposal Considerations

Waste Handling and Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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, Packaging Group Not regulated

ADR/RID Classification (Road and Rail Transport) Not controlled under ADR of the EEC.

ADNR Classification (Inland Waterways) Not controlled under ADNR (Europe).

IMO/IMDG Class (Maritime Transport) Not controlled under IMDG.

ICAO/IATA (Air Transport) Not controlled under IATA.

CEFIC Tremcard

HI Kemler

U.S.A. DOT Class Not a DOT controlled material (United States).

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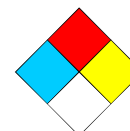
NFPA

Health

Flammability

Reactivity

Specific hazard



Packaging Instructions

Section 15. Regulatory Information and Warning Labels

(R) Risk Phrases R36- Irritating to eyes.

(S) Safety Phrases S02- Keep out of the reach of children S25- Avoid contact with eyes S26- In case of contact with eyes, rinse immediately with plenty of water. S28- After contact with skin, wash immediately with plenty of water.

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.

19 January 2002 **Responsible for MSDS:** Global Engineering, Environmental and Safety

Fort Dodge Animal Health -- within American Home Products Corporation

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.

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