



MATERIAL SAFETY DATA SHEET

Product Id: Pyramid 5 + Presponse SQ

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: RM1000213

Product Name: Pyramid 5 + Presponse SQ

Common Name: Bovine Rhinotracheitis- Virus Diarrhea- Parainfluenza 3 – Respiratory Syncytial Virus Vaccine (modified live virus), Mannheimia Haemolytica Toxoid Vaccine

Supplier: Fort Dodge Animal Health
800 5th Street NW
PO Box 518
Fort Dodge, IA 50501

General Information No.: (515) 955-4600
Emergency Telephone No.: (515) 955-6033

Emergency Telephone Number: (800) 424-9300

General Telephone Number: (515) 955-4600

Prepared By: Environmental, Health + Safety

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Weight %	ACGIH TWA:	CAS-No.	Wyeth OEG:	Units for TWAs, STELs, ACGIH, OSHA:
Modified Live Virus None	Unknown	None	NA	Not Established	mg/m3
Adjuvant	Proprietary	None	NA	Not Established	mg/m3
Contains thimerosal as a preservative 54-64-8	<0.01	None	54-64-8	Not Established	mg/m3
Contains neomycin as a preservative 1405-10-3	<0.01	None	1405-10-3	Not Established	mg/m3
Contains polymyxin B as a preservative 1405-20-5	<0.01	None	1405-20-5	Not Established	mg/m3
Balance includes water for injection and other non-hazardous ingredients	Balance	None	Various	Not Established	mg/m3

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3. HAZARDS IDENTIFICATION

Inhalation:	Inhalation exposure is unlikely when product is used as directed in a well-ventilated space.
Skin Contact:	None known. If product contacts skin, wash thoroughly with soap and water. Seek medical attention if symptoms occur.
Ingestion:	Seek medical attention immediately. Provide physician with MSDS, package insert, and product container.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention. May cause eye irritation.

4. FIRST AID MEASURES

Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention. May cause eye irritation.
Skin Contact:	No known effect. After contact with skin, wash immediately with plenty of water.
Inhalation:	No specific data. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion:	If ingested, seek medical advice immediately and show the container or the label.
Aggravated Conditions:	None known.
Notes to Physician:	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.

5. FIRE FIGHTING MEASURES

Extinguishing Media and Fire Fighting Instructions:	Aqueous solutions are non-flammable. Use DRY chemicals, CO2, water spray or alcohol foam.
Special Hazards:	None. Dispose of fire debris and contaminated fire fighting water in accordance with regulations.
Personal Protective Equipment:	No special precautions or equipment.

6. ACCIDENTAL RELEASE MEASURES

Methods For Cleaning Up:	Absorb with an inert material and place in an appropriate waste disposal container.
Personal Precautions:	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions:	Dike spill area and do not allow product to reach sewage system and surface or ground water.

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7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions: No special technical measures required when product is used as directed on label or package insert.

Safe Handling Advice: No special precautions required. Avoid contact with eyes. After handling, always wash hands thoroughly with soap and water.

Storage

Technical Measures/Storage Conditions: Keep only in original container. Keep at temperature not exceeding 7°C. Keep out of the reach of children.

Incompatible Products: No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: No special measures required.

Personal Protective Equipment

Respiratory Protection: A respirator is not needed under normal and intended conditions of product use.

Hand Protection: Latex gloves

Skin and Body Protection: Gloves, Latex. Wear overalls or long sleeved shirt and long trousers.

Eye Protection: Safety glasses with side-shields.

Hygiene Measures: Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Reddish-white

Odor: Odorless

pH: 5 - 9

Boiling Point/Range: Not applicable

Melting Point/Range: Not determined

Density: Not determined

Vapor Density: not determined

Physical State: Powder with sterile diluent

Vapor Pressure: not determined

Viscosity: Not applicable

Partition Coefficient: Not applicable

Solubility: Easily soluble in cold water, hot water. methanol n-octanol Acetone Diethyl ether

Solubility in Other Solvents: None known

Flash Point: Not applicable

Explosion limits

- upper no data available

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- lower	no data available
Autoignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Dust Explosivity	Not applicable.

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	This product is stable.
Materials to Avoid:	None
Polymerization:	None known
Hazardous Decomposition Products:	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
LC50/inhalation/rat =	not determined
Principle Routes of Exposure:	None
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention. May cause eye irritation.
Skin Contact:	None known. If product contacts skin, wash thoroughly with soap and water. Seek medical attention if symptoms occur.
Ingestion:	Seek medical attention immediately. Provide physician with MSDS, package insert, and product container.
Inhalation:	No evidence of risk in humans.
Chronic Toxicity:	
Target Organs	None
Specific Effects:	Not determined
Sensitization:	Not known to be a skin sensitizer.
Carcinogenic Effects:	There are no known effects 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 Toxicity:	Not considered to be toxic for the reproductive system.

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Aggravated Conditions: None known.

12. ECOLOGICAL INFORMATION

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

Environmental Hazards: None

Ecotoxicity Effects: This product has no known eco-toxicological effects.

Aquatic Toxicity: Not determined.

Mobility: No data available

Bioaccumulation: Not determined

Environmental Precautions: Dike spill area and do not allow product to reach sewage system and surface or ground water.

13. DISPOSAL CONSIDERATIONS

Waste/Unused Products: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated Packaging: Not applicable

14. TRANSPORT INFORMATION

DOT (Road/Rail Transport)

UN/ID Number: Not controlled.

Proper Shipping Name: Not controlled.

Hazard Class: Not controlled.

Packing Group: Not controlled.

DOT Reportable Quantity (lbs): Not controlled.

Marine Pollutant: No

ICAO/IATA (Air Transport):

UN/ID Number: Not controlled.

Proper Shipping Name: Not controlled.

Hazard Class: Not controlled.

Packing Group: Not controlled.

IMO/IMDG (Maritime Transport):

UN/ID Number: Not controlled.

Hazard Class: Not controlled.

Packing Group: Not controlled.

Marine Pollutant: No

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15. REGULATORY INFORMATION

Other Regulations: Not controlled

16. OTHER INFORMATION

Additional Advice: Use this product only in accordance with the directions provided on the product label or the package insert.

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 insert precautions and this information. All materials may present unknown hazards and should be used with caution.

*** End of Safety Data Sheet ***