



MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF PRODUCT AND COMPANY

Pfizer Inc	Emergency telephone	1-866-531-8896
Pfizer Animal Health	Hours of operation	24 Hours
235 East 42nd Street	Telephone	1-800-366-5288
New York, NY 10017		

Trade names	CattleMaster® 4
Product name	<i>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza Syncytial Virus</i> Vaccine, Modified Live & Killed Virus
Therapeutic use	Veterinary Vaccine
Description	Freeze-dried preparation plus a liquid adjuvanted preparation

SECTION 2 - COMPOSITION

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Aluminum hydroxide	21645-51-2	Proprietary
Bovine Parainfluenza3	Not assigned	Proprietary
Bovine Respiratory Syncytial Virus	Not assigned	Proprietary
Bovine Rhinotracheitis	Not assigned	Proprietary
Bovine Virus Diarrhea	Not assigned	Proprietary
Gentamicin*	1403-66-3	Trace
Merthiolate (as mercury)*	54-64-8	Trace

*Hazardous

Note: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

SECTION 3 - HAZARDS IDENTIFICATION

Signal word	Not applicable
Statements of hazard	Not applicable
Eye effects	None known; however, direct contact with any foreign material may cause eye irritation.
Skin effects	May cause allergic skin reaction.
Inhalation effects	Dust may cause irritation. An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).
Ingestion effects	None known
Route of entry	accidental injection

SECTION 3 - HAZARDS IDENTIFICATION ... continued

NOTE: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

SECTION 4 - FIRST AID MEASURES

Skin	Wash skin with soap and water. If irritation occurs or persists, get medical attention.
Eyes	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
Note to physician	This product contains an adjuvant to promote immune response. As a result, anaphylaxis may occur following accidental self-injection. Epinephrine and supportive measures are recommended if the patient presents with anaphylactic symptoms.

SECTION 5 - FIRE FIGHTING MEASURES

General hazard	This material is not expected to support combustion.
Fire fighting instructions	Treat primary cause of fire.
Extinguishing media	As for primary cause of fire.
Flash point	Non-flammable
Hazardous combustion products	Not known

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General	Review Sections 3, 8 and 12 before proceeding with clean up.
Small spill	Contain the source of the spill or leak. Wipe up with a damp cloth and place in container for disposal. Clean spill area thoroughly. Prevent discharge to drains.

SECTION 6 - ACCIDENTAL RELEASE MEASURES ... continued

Large spill Use appropriate containment to avoid environmental contamination. Spills should be handled by vacuuming or wet mopping. Transfer all waste to a labeled container and move it to a secure holding area. Close container and move it to a secure holding area. Prevent discharge to drains.

SECTION 7 - HANDLING AND STORAGE

General handling Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use appropriate personal protective equipment.

Storage conditions Store under refrigeration in closed container.

Temperature range for storage 2-7°C (35 - 45°F)

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Merthiolate (as mercury)	OSHA	TWA-8 Hr	0.01 mg/m ³ (skin)
	ACGIH	TWA-8 Hr	0.1 mg/m ³ (skin)

Exposure information See exposure limits for component (s) listed above.

Ventilation Engineering controls should be used as the primary means to control exposures. Exposure monitoring may be necessary to determine requirements.

Respiratory protection In the event of a spill where the applicable Occupational Exposure Limit (OEL) may be exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures below the OEL.

Eye protection Safety glasses or goggles are recommended if eye contact is possible.

Skin protection Wear protective clothing when working with large quantities. Wash hands and arms thoroughly after handling this material.

Hand protection Wear impervious gloves if skin contact is possible.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form Freeze-dried preparation plus liquid

Color No data available

Molecular weight Mixture

Molecular formula Mixture

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ... continued

pH	7.0 +/- 1.5 standard pH units
Boiling point	>100°C
Melting point	Not applicable
Density	No data available
Vapor pressure	No data available
Water solubility	Components are soluble in water
Solvent solubility	No data available
Specific gravity	1.0 +/-0.2

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Stable
Conditions to avoid	Avoid prolonged exposure to higher temperatures and/or direct sunlight. Do not freeze.
Incompatibilities	None known
Hazardous decomposition products	None known
Hazardous polymerization	Will not occur

SECTION 11 - TOXICOLOGY INFORMATION

Toxicology summary	The antigens included in this product are non-infectious. All have been prepared from killed or inactivated preparations of microorganisms.
Acute toxicity	
Eye	No data available
Skin	No data available
Inhalation	No data available
Ingestion	No data available
Mutagenicity	Not determined for this mixture.
Sensitization	This product contains merthiolate which is considered to be a skin sensitizer.
Subchronic effects	No data available

SECTION 11 - TOXICOLOGY INFORMATION ... continued

Chronic effects/ carcinogenicity	Not determined for this mixture.
Carcinogen status	None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental overview	The environmental characteristics of this material have not been fully evaluated. This product contains trace quantities of mercury, releases to the environment should be avoided.
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SECTION 13 - DISPOSAL INFORMATION

Disposal procedure	Incineration is the recommended method of disposal for this material. Treatment, storage, transportation and disposal must be in accordance with applicable national and local regulations. This product contains trace quantities of mercury and may qualify as a RCRA Hazardous Waste. Status should be confirmed using the EPA Toxicity Characteristic Leaching Procedure (TCLP).
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SECTION 14 - TRANSPORTATION INFORMATION

General shipping instructions	Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.
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SECTION 15 - REGULATORY INFORMATION

EU Classification	Not classified
TSCA status	Not listed
SARA section 302	No
SARA section 313	No
California Proposition 65	Mercury (as Merthiolate); Aminoglycosides

SECTION 16 - OTHER

Disclaimer	Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate. While Pfizer provides this information in good faith, it does not expressly or impliedly warrant its accuracy.
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