



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 | | |

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|------------------------|--|
| Trade names | CattleMaster® 4+L5 |
| Product name | Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza ₃ -Respiratory Syncytial Virus Vaccine, Modified Live & Killed Virus- <i>Leptospira Canicola-Grippotyphosa-Hardjo-Ichtherohaemorrhagiae-Pomona</i> Bacterin |
| 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> |
|---------------------------------------|-------------------|---------------|
| Bovine Parainfluenza ₃ | Not assigned | Trade secret |
| Bovine Respiratory Syncytial Virus | Not assigned | Trade secret |
| Bovine Rhinotracheitis | Not assigned | Trade secret |
| Bovine Virus Diarrhea | Not assigned | Trade secret |
| <i>Leptospira canicola</i> | Not assigned | Trade secret |
| <i>Leptospira grippotyphosa</i> | Not assigned | Trade secret |
| <i>Leptospira hardjo</i> | Not assigned | Trade secret |
| <i>Leptospira icterohaemorrhagiae</i> | Not assigned | Trade secret |
| <i>Leptospira pomona</i> | Not assigned | Trade secret |
| Aluminum hydroxide | 21645-51-2 | Trade secret |
| 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

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| Signal word | Not applicable |
| Statements of hazard | Not applicable |
| Eye effects | None known; however, direct contact with any foreign material may cause eye irritation. |

SECTION 3 - HAZARDS IDENTIFICATION ... continued

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| 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 |
| Other potential health effects | In the event of accidental injection, an allergic reaction may occur. If an allergic reaction occurs, the worker should be removed to the nearest emergency room and the appropriate therapy instituted. |
| Route of entry | accidental injection |
| 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

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| 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. |

SECTION 5 - FIRE FIGHTING MEASURES

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| 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

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| 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. |
| 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

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| 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

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| 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

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|---------------------------|--------------------------------------|
| Physical form | Freeze-dried preparation plus liquid |
| Color | No data available |
| Molecular weight | Mixture |
| Molecular formula | Mixture |
| 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

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| 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 |

SECTION 11 - TOXICOLOGY INFORMATION ... continued

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|---|---|
| Mutagenicity | Not determined for this mixture. |
| Sensitization | This product contains merthiolate which is considered to be a skin sensitizer. |
| Subchronic effects | No data available |
| 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

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| 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

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| 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

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

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| 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.