



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 | Primucell FIP® |
| Product name | Primucell FIP® |
| Therapeutic use | Veterinary Vaccine |
| Description | Lyophilised powder |

SECTION 2 - COMPOSITION

| <u>Ingredient</u> | <u>CAS Number</u> | <u>Amount</u> |
|---|-------------------|---------------|
| Feline Infectious Peritonitis - Modified live virus | Not assigned | Proprietary |
| Appropriate cell substrates | Not assigned | Proprietary |
| Short chain peptide | Not assigned | <30% |
| Sucrose* | 57-50-1 | <40% |
| Gelatin | 9000-70-8 | <30% |
| Gentamicin* | 1403-66-3 | <0.1% |
| Non-hazardous ingredients | Not applicable | <1.0% |

*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 | Not known |
| Inhalation effects | Repeated exposure to dust or mist may produce allergic reactions. An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8). |
| Ingestion effects | Toxicity following ingestion is not expected. Ingestion should be avoided. |
| Route of entry | Inhalation, skin contact, or ingestion. |

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 IN CASE OF ACCIDENTAL INNOCULATION, CONSULT THE EMERGENCY CONTACT LISTED IN SECTION 1. In case of direct skin contact, remove contaminated clothing and flush exposed area with large amounts of water. Obtain medical assistance.

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 discomfort persists, get medical attention.

Ingestion In the event of swallowing this material, seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

General hazard This material is not expected to support combustion.

Fire fighting instructions Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Move containers from fire area if possible without increased personal risk. Dike area if possible to contain water for later disposal.

Extinguishing media Use carbon dioxide, dry chemical, or water spray.

Flash point Expected to be >55°C

Hazardous combustion products Toxic or corrosive gases are expected in fires involving this mixture.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Review Sections 3, 8 and 12 before proceeding with clean up.

Small spill Sweep spilled material into an approved container for disposal keeping dust generation to a minimum. Clean spill area thoroughly. Prevent discharge to drains.

Large spill Contain the source of the spill or leak if it is safe to do so. Sweep spilled material into an approved container for disposal keeping dust generation to a minimum. Clean spill area thoroughly. Prevent discharge to drains.

SECTION 7 - HANDLING AND STORAGE

| | |
|---------------------------|---|
| General handling | Avoid contact with eyes, skin and clothing. Avoid breathing dust. |
| Storage conditions | Follow product information storage instructions to maintain efficacy. Do not freeze. No other storage requirements are necessary concerning occupational hazards. |

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|-------------------------------|---|-------------|---|
| Exposure limits | | | |
| <u>Compound</u> | <u>Issuer</u> | <u>Type</u> | <u>OEL</u> |
| Sucrose | OSHA | TWA-8 Hr | 5 mg/m ³ (respirable fraction) |
| | OSHA | TWA-8 Hr | 15 mg/m ³ (total dust) |
| | ACGIH | TWA-8 Hr | 10 mg/m ³ |
| | UK OES | TWA-8 Hr | 10 mg/m ³ |
| Exposure information | The exposure limit(s) listed for solid components are only relevant if dust may be generated. | | |
| Ventilation | Good general ventilation should be sufficient to control airborne levels. | | |
| Respiratory protection | Respirators are not required for normal use of this material. Use dust mask for dusty conditions. | | |
| Eye protection | Wear safety glasses with sideshields if eye contact is possible. | | |
| Skin protection | Wear protective clothing with long sleeves to avoid routine skin contact. Wash hands and arms thoroughly after handling this material. Clean up spills immediately. | | |
| Hand protection | Wear latex or other impervious gloves if skin contact is possible. | | |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|---------------------------------|
| Physical form | Lyophilized powder |
| Color | No data available |
| Molecular weight | Mixture |
| Molecular formula | Mixture |
| pH | No data available |
| Boiling point | No data available |
| Melting point | No data available |
| Density | No data available |
| Vapor pressure | No data available |
| Water solubility | Components are soluble in water |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ... continued

Solvent solubility No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity This material is Stable

Conditions to avoid Avoid freezing and storage at temperatures greater than 7° C.

Incompatibilities This material can be denatured or inactivated by a variety of organic solvents, salts or heavy metals.

Hazardous decomposition products None expected under normal conditions.

Hazardous polymerization Not expected to occur

Explosive properties This material is non flammable.

SECTION 11 - TOXICOLOGY INFORMATION

Acute toxicity

| <u>Compound</u> | <u>Type</u> | <u>Route</u> | <u>Species</u> | <u>Dosage</u> |
|-----------------|------------------|--------------|----------------|---------------|
| Sucrose | LD ₅₀ | Oral | Rat | 29,700 mg/kg |

Eye Not determined for this mixture. Irritation is not expected to occur based on components.

Skin Not determined for this mixture. Irritation is not expected to occur based on components.

Inhalation Not determined for this mixture.

Ingestion Not determined for this mixture. Toxicity is not expected following ingestion.

Mutagenicity Not determined for this mixture.

Sensitization Sensitization (allergic skin reaction) may occur, based on effects of individual components.

Subchronic effects Not determined for this mixture.

**Chronic effects/
carcinogenicity** Not determined for this mixture.

Carcinogen status None of the components of this formulation is listed as a carcinogen by IARC, NTP or OSHA.

Reproductive effects Not determined

SECTION 11 - TOXICOLOGY INFORMATION ... continued

Teratogenicity The effects on developing offspring are not known.

Additional information This mixture contains a modified live feline virus vaccine for use in cats.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental overview The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.

SECTION 13 - DISPOSAL INFORMATION

Disposal procedure Observe all local and national regulations when disposing of this mixture. For large quantities, dispose of waste on site in a biomedical incinerator if allowed by the incinerator permit. If no on-site incinerator is available, dispose of waste in a licensed biomedical incinerator.

SECTION 14 - TRANSPORTATION INFORMATION

General shipping instructions Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

SECTION 15 - REGULATORY INFORMATION

EU Classification Not classified

Canadian WHMIS This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER

Disclaimer **Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without a warranty of any kind, expressed or implied.**