



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF PRODUCT AND COMPANY

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

<b>Trade names</b>	<b>Vanguard® Plus 5</b>
<b>Product name</b>	Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus
<b>Therapeutic use</b>	Veterinary Vaccine
<b>Description</b>	Freeze-dried preparation

### SECTION 2 - COMPOSITION

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Canine Adenovirus Type 2	Not assigned	Trade secret
Canine Distemper	Not assigned	Trade secret
Canine Parainfluenza	Not assigned	Trade secret
Canine Parvovirus	Not assigned	Trade secret
Penicillin*	1406-05-9	Trace
Streptomycin*	57-92-1	Trace

\*Hazardous

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

### SECTION 3 - HAZARDS IDENTIFICATION

<b>Signal word</b>	<b>WARNING!</b>
<b>Statements of hazard</b>	<b>MAY CAUSE ALLERGIC REACTION IN PENICILLIN-SENSITIVE INDIVIDUALS</b>
<b>Eye effects</b>	None known; however, direct contact with any foreign material may cause eye irritation.
<b>Skin effects</b>	Contains trace quantities of penicillin which can cause allergic reactions in susceptible individuals.
<b>Inhalation effects</b>	Contains trace quantities of penicillin which can cause allergic reactions in susceptible individuals.
<b>Ingestion effects</b>	Contains trace quantities of penicillin which can cause allergic reactions in susceptible individuals.

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### SECTION 3 - HAZARDS IDENTIFICATION ... continued

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<b>Other potential health effects</b>	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.
<b>Route of entry</b>	Skin contact, inhalation accidental injection
<b>NOTE:</b>	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.

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### SECTION 4 - FIRST AID MEASURES

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<b>Skin</b>	Wash skin with soap and water. If irritation occurs or persists, get medical attention.
<b>Eyes</b>	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

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### SECTION 5 - FIRE FIGHTING MEASURES

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<b>General hazard</b>	This material is not expected to support combustion.
<b>Fire fighting instructions</b>	Dike and collect water used to fight fire.
<b>Extinguishing media</b>	As for primary cause of fire.
<b>Flash point</b>	Non-flammable
<b>Hazardous combustion products</b>	Not known

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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<b>General</b>	Review Sections 3, 8 and 12 before proceeding with clean up.
<b>Small spill</b>	Wipe up with a damp cloth and place in container for disposal. Clean spill area thoroughly.
<b>Large spill</b>	Spills should be handled by vacuuming or wet mopping. Transfer all waste to a labeled container and move it to a secure holding area.

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## SECTION 7 - HANDLING AND STORAGE

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<b>General handling</b>	Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Use appropriate personal protective equipment. Avoid breathing dust, vapor or mist.
<b>Storage conditions</b>	Store under refrigeration in closed container.
<b>Temperature range for storage</b>	2-7°C

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Exposure information</b>	No Occupational Exposure Limit (OEL) or Short Term Exposure Limit (STEL) has been identified.
<b>Ventilation</b>	General room ventilation is adequate unless the process generates dust, mist or fumes.
<b>Respiratory protection</b>	Respiratory protection is recommended as a precaution to minimize exposure when handling this material in bulk.
<b>Eye protection</b>	Safety glasses or goggles are recommended if eye contact is possible.
<b>Skin protection</b>	Individuals with known sensitivity to penicillin should wear long sleeves to avoid skin contact. Wash hands and arms thoroughly after handling this material.
<b>Hand protection</b>	Wear protective gloves if there is a potential for skin contact.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical form</b>	Freeze-dried preparation
<b>Color</b>	No data available
<b>Molecular weight</b>	Mixture
<b>Molecular formula</b>	Mixture
<b>pH</b>	7.0 +/- 1.5 standard pH units
<b>Boiling point</b>	>100°C
<b>Melting point</b>	Not applicable
<b>Density</b>	No data available
<b>Vapor pressure</b>	Expected to be negligible
<b>Water solubility</b>	No data available
<b>Solvent solubility</b>	No data available
<b>Specific gravity</b>	1.0 +/-0.2

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## SECTION 10 - STABILITY AND REACTIVITY

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<b>Reactivity</b>	Stable
<b>Conditions to avoid</b>	Store at 2°-7°C. Prolonged exposure to higher temperatures may adversely affect potency. Do not freeze.
<b>Incompatibilities</b>	This material can be denatured or inactivated by a variety of organic solvents, salts or heavy metals.
<b>Hazardous decomposition products</b>	None expected under normal conditions.
<b>Hazardous polymerization</b>	Will not occur

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## SECTION 11 - TOXICOLOGY INFORMATION

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<b>Toxicology summary</b>	The antigens included in this product are non-infectious. All have been prepared from killed or inactivated preparations of microorganisms.
<b>Acute toxicity</b>	
<b>Eye</b>	No data available
<b>Skin</b>	No data available
<b>Inhalation</b>	No data available
<b>Ingestion</b>	No data available
<b>Mutagenicity</b>	No data available
<b>Sensitization</b>	Hypersensitivity reactions can occur in individuals sensitive to penicillin, streptomycin, and/or other aminoglycosides.
<b>Subchronic effects</b>	No data available
<b>Chronic effects/     carcinogenicity</b>	No data available
<b>Carcinogen status</b>	None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.
<b>Reproductive effects</b>	Not considered to be a reproductive hazard.

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## SECTION 12 - ECOLOGICAL INFORMATION

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<b>Environmental overview</b>	The environmental characteristics of this material have not been fully evaluated. 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.  
Observe all local and national regulations when disposing of this material.

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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

**California Proposition 65** Aminoglycosides (Streptomycin)

**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.

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**SECTION 16 - OTHER**

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**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.**