# SAFETY DATA SHEET



1. Identification

**Product identifier VANGUARD Plus CPV** 

Other means of identification

Vanguard® Canine Parvo \* Firstdose CPV \* Parvovirus Vaccine, Modified Live Virus **Synonyms** 

Recommended use Veterinary vaccine **Recommended restrictions** Not for human use Manufacturer/Importer/Supplier/Distributor information

**Company Name (USA)** Zoetis Inc.

10 Sylvan Way

Parsippany, New Jersey 07054 (USA)

**Rocky Mountain Poison &** 

**Drug Safety** 

1-866-531-8896

**Product Support/Technical** 

1-888-963-8471

**Services** 

**Emergency telephone** 

numbers

CHEMTREC (24 hours): 1-800-424-9300

International CHEMTREC (24 hours): +1-703-527-3887

Company Name (CA) Zoetis Canada Inc.

> 16740 Trans-Canada Highway Kirkland, Quebec, H9H 4M7

**Emergency telephone** 

number

International CHEMTREC (24 hours): +1-703-527-3887

**Contact E-Mail** productsupport@zoetis.com

1-800-461-0917 **Product Support** 

All Safety Data Sheets are available via our Zoetis Canada website at

https://www.zoetis.ca/sds/sds.aspx

Not available. **Supplier** 

2. Hazard identification

**Physical hazards** Not classified. **Health hazards** Not classified. **Environmental hazards** Not classified.

Label elements

Hazard symbol None. Signal word None.

The mixture does not meet the criteria for classification. **Hazard statement** 

**Precautionary statement** 

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Supplemental information Direct contact with eyes may cause temporary irritation. In the event of accidental injection, an

allergic reaction may occur.

Other hazards None known.

3. Composition/information on ingredients

**Mixtures** 

Chemical name	Common name and synonyms	CAS number	%
Thiomersal		54-64-8	<0.01
Canine Parvovirus		Not assigned	
Gentamicin		1403-66-3	##

Composition comments

% = w/v## Trace

Other components below reportable levels

The exact percentage composition of this mixture has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

In the case of skin contact, immediately wash the skin with plenty of soap and water. In the event Skin contact of accidental self injection or needle stick injury, wash the injury thoroughly with clean running

water. Get medical attention immediately.

Eye contact Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.

Continue rinsing. Get medical attention immediately.

Rinse mouth. Call a physician or poison control centre immediately. Only induce vomiting at the Ingestion

instruction of medical personnel. Never give anything by mouth to an unconsious person.

Most important

**General information** 

symptoms/effects, acute and delaved

Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. In the event of accidental injection, an allergic reaction may occur. Signs and symptoms might include skin rash, itching, redness or swelling. Respiratory reactions may be characterized by rhinitis, sneezing, scratchy throat, oral mucosal edema, laryngeal mucosal edema, coughing, shortness of breath, wheezing, and chest pain. Asthma like reactions occur with acute exposures in sensitized patients.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

For personal protection, see section 8 of the SDS. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Fire fighting equipment/instructions

Specific methods General fire hazards Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Precautions for safe handling

Avoid accidental injection. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Handle and open container with care.

Wash contaminated clothing before reuse. Avoid release to the environment.

Store in a cool, dry place out of direct sunlight. @ 2 - 7°C (36 - 45°F). Do not allow material to

freeze. Store in original tightly closed container.

### 8. Exposure controls/personal protection

Occupational exposure limits

**US. ACGIH Threshold Limit Values** 

Components **Type** Value Thiomersal (CAS 54-64-8) STEL 0.03 mg/m3

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) Components Value Type Thiomersal (CAS 54-64-8) STEL 0.03 ma/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components **Type** Value Thiomersal (CAS 54-64-8) Ceiling 0.1 mg/m3 0.03 mg/m3 STEL

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components Type Value STEL Thiomersal (CAS 54-64-8) 0.03 mg/m3

Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)

Components Value Type Thiomersal (CAS 54-64-8) **STEL** 0.03 mg/m3

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components Value Type STEL 0.03 mg/m3 Thiomersal (CAS 54-64-8)

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety) Components Value

Type Thiomersal (CAS 54-64-8) **STEL** 0.03 mg/m3

No biological exposure limits noted for the ingredient(s). **Biological limit values** 

Gentamicin: Zoetis OEB 2 (control exposure to the range of 100ug/m3 to < 1000ug/m3) Control banding approach

Appropriate engineering controls

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

If contact is likely, safety glasses with side shields are recommended. Eye/face protection

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable

coveralls, etc.) in both production and laboratory areas.

No personal respiratory protective equipment normally required. In case of insufficient ventilation, Respiratory protection

wear suitable respiratory equipment.

Thermal hazards Not applicable.

Keep away from food and drink. Always observe good personal hygiene measures, such as General hygiene washing after handling the material and before eating, drinking, and/or smoking. Routinely wash considerations

work clothing and protective equipment to remove contaminants.

#### 9. Physical and chemical properties

**Appearance** 

**Physical state** Liquid. Liquid. **Form** Colour Not available. Odour Not available.

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Not available. **Odour threshold** Not available. Ha Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

Not available. Flash point **Evaporation rate** Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available. Explosive limit - upper Not available.

(%)

Not available. Vapour pressure Not available. Vapour density Not available. Relative density

Solubility(ies)

Solubility (water) Not available. Not available. Partition coefficient

(n-octanol/water)

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** Not available. **Viscosity** 

Other information

Not explosive. **Explosive properties** Oxidising properties Not oxidising.

## 10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials. Sunlight. Avoid high temperatures. Store at 2-7°C. Prolonged

exposure to higher temperatures may adversely affect potency. Do not freeze.

Incompatible materials Strong oxidising agents. This material can be denatured or inactivated by a variety of organic

solvents, salts or heavy metals.

Hazardous decomposition

products

No hazardous decomposition products are known.

## 11. Toxicological information

#### Information on likely routes of exposure

Inhalation Under normal conditions of intended use, this material is not expected to be an

inhalation hazard.

Skin contact Prolonged skin contact may cause temporary irritation. Direct contact with eyes may cause temporary irritation. Eve contact

Thiomersal Species: Rabbit

Severity: Mild

Gentamicin Species: Rabbit

Severity: Non-irritating

Ingestion Health injuries are not known or expected under normal use.

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Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. In the event of accidental injection, an allergic reaction may occur. Signs and symptoms might include skin rash, itching, redness or swelling. Respiratory reactions may be characterized by rhinitis, sneezing, scratchy throat, oral mucosal edema, laryngeal mucosal edema, coughing, shortness of breath, wheezing, and chest pain. Asthma like reactions occur with acute exposures in sensitized patients.

#### Information on toxicological effects

**Acute toxicity** 

Expected to be a low hazard for usual industrial or commercial handling by trained

personnel.

Components	Species	Test Results	
Gentamicin (CAS 1403-66-3)			
<u>Acute</u>			
Intramuscular			
LD50	Mouse	167 mg/kg	
	Rat	463 mg/kg	
Oral			
LD50	Rat	6600 mg/kg	
Subcutaneous			
LD50	Rat	710 mg/kg	
Thiomersal (CAS 54-64-8)			
<u>Acute</u>			
Oral			
LD50	Rat	75 mg/kg	
Subcutaneous			
LD50	Rat	98 mg/kg	
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.		
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.		
Eye contact Thiomersal		Species: Rabbit Severity: Mild	
Gentamicin		Species: Rabbit	

#### Respiratory or skin sensitisation

Respiratory sensitisation

Based on available data, the classification criteria are not met. In the event of accidental

Severity: Non-irritating

injection, an allergic reaction may occur.

**Skin sensitisation** Based on available data, the classification criteria are not met. In the event of accidental injection,

an allergic reaction may occur.

Germ cell mutagenicity

Due to partial or complete lack of data the classification is not possible. No data available to

indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity No data available to indicate product or any components present at greater than 0.1%

are carcinogenic. This product is not considered to be a carcinogen by IARC, ACGIH,

NTP, or OSHA.

**Reproductive toxicity**Based on available data, the classification criteria are not met. This product is not expected to

cause reproductive or developmental effects.

**Developmental effects** 

Gentamicin 75 mg/kg/day Embryo / Fetal Development, Developmental

toxicity Result: LOAEL Species: Rat

Organ: Intramuscular

Specific target organ toxicity - single exposure

Due to partial or complete lack of data the classification is not possible.

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Specific target organ toxicity -

repeated exposure

Due to partial or complete lack of data the classification is not possible.

Not an aspiration hazard. **Aspiration hazard** 

**Further information** The antigens included in this product are non-infectious. All have been prepared from

modified or inactivated preparations of microorganisms.

12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Avoid release to the environment.

Persistence and degradability No data available for this product.

Bioaccumulative potential No data available for this product. Mobility in soil No data available for this product.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. **Disposal instructions** 

> Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

> Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code This product contains trace quantities of mercury, releases to the environment should be avoided.

Dispose of in accordance with local regulations. Empty containers or liners may retain some Waste from residues / unused product residues. This material and its container must be disposed of in a safe manner. products

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied.

## 14. Transport information

**TDG** 

Not regulated as dangerous goods.

**IATA** 

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

the IBC Code

## 15. Regulatory information

This product has been classified in accordance with the hazard criteria of the HPR and the SDS **Canadian regulations** 

contains all the information required by the HPR.

**Controlled Drugs and Substances Act** 

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Thiomersal (CAS 54-64-8) Substance subject to notification or consent.

**Greenhouse Gases** 

Not listed

Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Thiomersal (CAS 54-64-8)

**Precursor Control Regulations** 

Not regulated.

International regulations

**Stockholm Convention** 

Not applicable.

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#### **Rotterdam Convention**

Thiomersal (CAS 54-64-8) Pesticide

**Kyoto Protocol** 

Not applicable.

**Montreal Protocol** 

Not applicable.

**Basel Convention** 

Not applicable.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances	No

<sup>(</sup>PICCS)

Taiwan Taiwan Chemical Substance Inventory (TCSI) No United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory No

#### 16. Other information

Issue date 07-March-2017 **Revision date** 23-February-2023

Version No. 03

Disclaimer Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while

it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently

available.

**Revision information** Composition / Information on Ingredients: Disclosure Overrides

Accidental release measures: Methods and materials for containment and cleaning up

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<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).