# SAFETY DATA SHEET



1. Identification

Product identifier Vanguard Rapid Resp 3

Other means of identification

Synonyms VANGUARD® INTRANASAL RAPID RESP 3 \* VANGUARD® INTRANASAL RAPID RESP 3 SF

(Syringe Free) \* Canine Adenovirus Type 2 - Parainfluenza - Bordetella Bronchiseptica Vaccine, modified live virus and avirulent live culture \* VANGUARD Intranasal Resp 3 \* Vanguard Resp 3

Intranasal Live Vaccine for Dogs

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

Company Name (US) Zoetis Inc.

10 Sylvan Way

Parsippany, New Jersey 07054 (USA)

**Rocky Mountain Poison &** 

Drug Safety

1-866-531-8896

**Product Support/Technical** 

Services

1-888-963-8471

**Emergency telephone** 

numbers

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

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

Company Name (EU) Zoetis Belgium S.A.

Rue Laid Burniat 1 1348 Louvain-la-Neuve

Belgium

**Telephone** +32 10 808080

**Emergency telephone** 

number

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

Contact E-Mail VMIPSrecords@zoetis.com

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

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

**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.

Hazard(s) not otherwise

classified (HNOC)

None known.

**Supplemental information** Allergic reactions are possible.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Potassium phosphate		7778-77-0	<5
Sucrose		57-50-1	<5
Sodium hydroxide		1310-73-2	<0.1
Bordetella bronchiseptica		68583-00-6	*
Canine Adenovirus Type 2		NOT ASSIGNED	*
Canine Parainfluenza Virus		Not established	*

**Composition comments** 

\* Non-hazardous Ingredients

In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been

withheld as a trade secret.

### 4. First-aid measures

Inhalation

Move to fresh air. Get medical attention if symptoms occur. Get medical advice/attention if you feel

unwell.

Skin contact

Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical

advice/attention. Get medical advice/attention if you feel unwell. Wash contaminated clothing

before reuse.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove

contact lenses, if present and easy to do.

Ingestion

Rinse mouth. Call a physician or poison control center immediately. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or

is having convulsions.

**Most important** symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Allergic reactions are possible. 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. Symptoms may be delayed.

General information

For personal protection, see section 8 of the SDS. IF exposed or concerned: Get medical advice/attention. 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

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods General fire hazards 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. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Avoid the generation of dusts during clean-up. Do not breathe dust. Avoid contact with eyes, skin, and clothing. 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

Ensure adequate ventilation. Avoid release to the environment.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean contaminated surface thoroughly.

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. Put material in suitable, covered, labeled containers.

**Environmental precautions** 

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

# 7. Handling and storage

Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. When using, do not eat, drink or smoke. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities Store in a cool, dry place out of direct sunlight. Store at 2 - 8°C (36 - 46°F). Do not freeze. Protect from light. Keep away from heat, sparks and open flame.

## 8. Exposure controls/personal protection

#### Occupational exposure limits

Components	Туре	Value	Form	
Sodium hydroxide (CAS 1310-73-2)	PEL	2 mg/m3		
Sucrose (CAS 57-50-1)	PEL	5 mg/m3	Respirable fraction.	
		15 mg/m3	Total dust.	
US. OSHA Table Z-3 (29 C	FR 1910.1000)			
Components	Туре	Value	Form	
Sucrose (CAS 57-50-1)	TWA	5 mg/m3	Respirable fraction.	
		15 mg/m3	Total dust.	
		50 mppcf	Total dust.	
		15 mppcf	Respirable fraction.	
US. ACGIH Threshold Lim	it Values			
Components	Туре	Value		
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3		
Sucrose (CAS 57-50-1)	TWA	10 mg/m3		
US. NIOSH: Pocket Guide	to Chemical Hazards			
Components	Туре	Value	Form	
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3		
Sucrose (CAS 57-50-1)	TWA	5 mg/m3	Respirable.	
		10 mg/m3	Total	
ogical limit values	No biological exposure limits noted for	the ingredient(s).		
trol banding approach	Not available.			
ropriate engineering trols	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.			
vidual protection measure	s, such as personal protective equipme			
Eye/face protection	Wear safety glasses or goggles if eye			

Wear suitable gloves. Wear impervious gloves if skin contact is possible.

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

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

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Hand protection

Skin protection

Other

SDS US

No personal respiratory protective equipment normally required. Whenever excessive air Respiratory protection

contamination (dust, mist, vapor) is generated, respiratory protection, with appropriate protection factors, should be used to minimize exposure. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures

to below the OEL.

Thermal hazards Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

# 9. Physical and chemical properties

Freeze-dried preparation plus sterile diluent. **Appearance** 

Physical state Solid, Liquid. **Form** Solid. Liquid. Color Not available. Odor Not available. Odor threshold Not available. Not available. pН Not available. Melting point/freezing point Not available.

Initial boiling point and boiling

range

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

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Not available. Vapor pressure Vapor density Not available. Relative density Not available.

Solubility(ies)

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

(n-octanol/water)

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

Other information

**Explosive properties** Not explosive. Not oxidizing. Oxidizing properties

## 10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Contact with incompatible materials. Sunlight. Heat, flames and sparks. Store at 2-8°C. Prolonged Conditions to avoid

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

As a precautionary measure, keep away from strong oxidizers. Incompatible materials

Hazardous decomposition

products

No hazardous decomposition products are known.

#### 11. Toxicological information

### Information on likely routes of exposure

Inhalation Health injuries are not known or expected under normal use. Skin contact Prolonged skin contact may cause temporary irritation.

Sodium hydroxide Species: Rabbit

Severity: Severe

Direct contact with eyes may cause temporary irritation. Eye contact

Sodium hydroxide

Species: Rabbit Severity: Severe

Ingestion May be harmful if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Allergic reactions are possible. 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.

**Species Test Results** Components

Potassium phosphate (CAS 7778-77-0)

Acute

Oral

LD50 Rat 3200 mg/kg

Sodium hydroxide (CAS 1310-73-2)

Acute Dermal

Rabbit LD50 1350 mg/kg

Intraperitoneal

LD50 Mouse 40 ma/ka

Oral

LD50 Rat 140 - 340 mg/kg

Sucrose (CAS 57-50-1)

**Acute** 

Oral

LD50 Rat 29700 mg/kg

Skin corrosion/irritation Serious eye damage/eye

irritation

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

**Eye Contact** 

Sodium hydroxide Species: Rabbit Severity: Severe

Respiratory or skin sensitization

Based on available data, the classification criteria are not met. Respiratory sensitization Skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Mutagenicity

Sucrose Bacterial Mutagenicity (Ames)

Result: Negative Species: Salmonella

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

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OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Further information** Allergic reactions are possible. The antigens included in this product are non-infectious.

All have been prepared from attenuated 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.

**Species Test Results** Components

Sodium hydroxide (CAS 1310-73-2)

**Aquatic** 

Acute

Crustacea EC50 Water flea (Ceriodaphnia dubia) 34.59 - 47.13 mg/l, 48 hours

Fish LC50 Western mosquitofish (Gambusia affinis) 125 mg/l, 96 hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential Mobility in soil

No data available. No data available.

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** 

Do not contaminate ponds, waterways or ditches with chemical or used container. 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.

Dispose in accordance with all applicable regulations.

Local disposal regulations

Hazardous waste code None known.

Waste from residues / unused

products Contaminated packaging

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

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

emptied.

## 14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not applicable.

the IBC Code

# 15. Regulatory information

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard **US** federal regulations

Communication Standard, 29 CFR 1910.1200.

### **Toxic Substances Control Act (TSCA)**

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Sodium hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Nο

chemical

SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material

is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US, California, Candidate Chemicals List, Safer Consumer Products Regulations (Cal. Code Regs, tit, 22, 69502,3, subd. (a))

Sodium hydroxide (CAS 1310-73-2)

### **California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other information, including date of preparation or last revision

Issue date 02-25-2016 05-23-2023 **Revision date** 

Version # 04

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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).

#### **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**

Product and Company Identification: Synonyms Identification: Recommended restrictions

First-aid measures: Inhalation

Handling and storage: Precautions for safe handling Handling and storage: Conditions for safe storage, including any incompatibilities

Stability and reactivity: Conditions to avoid