



# MATERIAL SAFETY DATA SHEET

## Pfizer Global Research and Development

Revision date: 20-Apr-2004

Version: 1.0

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

PGRD  
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USA

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CT13 9NJ  
England

Emergency telephone number: 1-800-424-9300  
+703-527-3887

Emergency telephone number: +00 44 (0)1304 616161  
Ask to speak to a member of the PGRD EHS Department.

**Material Name: Rispoval<sup>TM</sup> Intranasal Freeze-dried Fraction**

**Synonyms:** None  
**Intended Use:** Cattle vaccine

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EU EINECS List:	Classification	%
Bovine Parainfluenza 3 Virus	Proprietary	Not Listed	Not Listed	Proprietary
Bovine Respiratory Syncytial Virus	Proprietary	Not Listed	Not Listed	Proprietary
Gelatin	9000-70-8	Not Listed	Not Listed	Proprietary
Buffered Lactose	Not Available	Not Listed	Not Listed	Proprietary
Casein Hydrolysate Solution	Not Available	Not Listed	Not Listed	Proprietary
HALS Media	Not Available	Not Listed	Not Listed	Proprietary
Gentamicin	1403-66-3	Not Listed	Not Listed	Proprietary

### 3. HAZARDS IDENTIFICATION

**Appearance:** White solid  
**Hazard Overview:** This material is a novel research compound. The physical, chemical, toxicological and ecological properties have not been thoroughly investigated. Exposure by any route should be minimized.

**Potential Health Effects:** This substance, based on the composition, may cause eye irritation, skin irritation, and may produce allergic reactions following direct contact.  
**Potential Environmental Effects:** Not determined  
**Potential Physical / Chemical Hazards:** Not determined

### 4. FIRST AID MEASURES

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

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<b>Skin Contact:</b>	Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
<b>Inhalation:</b>	Remove to fresh air and keep patient at rest. Seek medical attention immediately.
<b>Notes to Physician:</b>	None
<b>Medical Conditions Aggravated by Exposure:</b>	None known

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Extinguish fires with CO <sub>2</sub> , extinguishing powder, foam, or water.
<b>Hazardous Combustion Products:</b>	Formation of toxic gases is possible during heating or fire. May include oxides of carbon and nitrogen.
<b>Fire Fighting Procedures:</b>	During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.
<b>Fire / Explosion Hazards:</b>	Fine particles (such as dust and mists) may fuel fires/explosions.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Health and Safety Precautions:</b>	Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.
<b>Measures for Cleaning / Collecting:</b>	Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.
<b>Measures for Environmental Protections:</b>	Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
<b>Additional Consideration for Large Spills:</b>	Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

## 7. HANDLING AND STORAGE

<b>General Handling:</b>	Ground and bond all bulk transfer equipment. Avoid open handling. Minimize dust generation. Use local exhaust ventilation or perform work under hood/fume cupboard. Avoid inhalation and contact with skin, eyes, and clothing. When handling, use appropriate personal protective equipment (see Section 8).
<b>Storage Conditions:</b>	Store at room temperature in properly labeled containers. Keep away from heat, sparks and flames.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Laboratory Scale:

<b>Engineering Controls:</b>	Engineering controls should be used as a primary means of containment. Perform operations in a ventilated enclosure.
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**Personal Protective Equipment:**

Wear safety glasses, protective gloves and a laboratory coat when handling this compound.

**Pilot Plant Scale:**

**Engineering Controls:**

Engineering controls should be used as a primary means of containment. Handle in enclosed systems or under suitable local exhaust systems.

**Personal Protective Equipment:**

Wear protective gloves, coverall, and protective boots when handling this compound. Evaluate additional respiratory protection, as needed based on available engineering controls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:**

Solid

**Color:**

White

**Molecular Formula:**

No data available.

**Molecular Weight:**

Not applicable

**Flash Point (°C):**

Not determined, but not expected to be flammable or combustible.

**Additional Information:**

The characteristics of this compound have not been fully determined.

## 10. STABILITY AND REACTIVITY

**Stability:**

Stable

**Conditions to Avoid:**

Fine particles (such as dust and mists) may fuel fires/explosions. As a precautionary measure, keep away from heat sources.

**Materials to Avoid:**

As a precautionary measure, keep away from strong oxidizers.

## 11. TOXICOLOGICAL INFORMATION

**General Information:**

Toxicological properties of the formulation have not been investigated.

**Active Drug Substance Toxicity Data:**

**Irritation / Sensitization Comments:**

**Eye Irritation**

Not determined, however, based on the composition may cause irritation.

**Skin Irritation**

Not determined, however, based on the composition allergic skin reaction is possible.

**Sensitization** determined, however, based on composition there may be potential to cause skin or respiratory sensitization.

## 12. ECOLOGICAL INFORMATION

**Environmental Overview:**

Environmental properties of the formulation have not been investigated.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Procedures:**

Dispose of waste in accordance with all applicable laws and regulations.

## 14. TRANSPORT INFORMATION

The following refers to all categories of classifications unless specified below.

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Not regulated for transportation as per defining criteria in the international transportation regulations and the shipper's knowledge of the material.

## 15. REGULATORY INFORMATION

Caution - Substance not fully tested (VIIA)

### EU Labeling:

#### EU Safety Phrases:

S22 - Do not breathe dust.

#### EU EINECS List:

Not Listed

#### EU ELINCS List:

Not Listed

#### Bovine Parainfluenza 3 Virus

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### Bovine Respiratory Syncytial Virus

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### Gelatin

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### Buffered Lactose

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### Casein Hydrolysate Solution

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### HALS Media

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### Gentamicin

CERCLA/SARA section 302 EHS TPQ

Not Listed

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

#### CERCLA Reportable Quantity:

Not determined

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**OSHA Label:**

This material is a novel research compound. The physical, chemical, toxicological and ecological properties have not been thoroughly investigated. Exposure by any route should be minimized.

**Canada - WHMIS: Classifications**

**WHMIS hazard class:**

Non-controlled

**Additional Information:** Recipients of this material should also refer to relevant local or national legislation.

<b>16. OTHER INFORMATION</b>
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**Prepared by:** PGRD - Global Environmental, Health & Safety

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 warranty of any kind, expressed or implied.

**End of Safety Data Sheet**