

Revision date: 14-Jan-2014

Version: 2.0

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

**Product Identifier** 

Material Name: RAINBOW SolidBac Pinkeye IR/PR

Trade Name:
Synonyms:
<b>Chemical Family:</b>

RAINBOW SolidBac Moraxella Bovine Bacterin Mixture

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Intended Use: Vaccine

Details of the Supplier of the Safety Data Sheet

Zoetis Inc. 100 Campus Drive, P.O. Box 651 Florham Park, New Jersey 07932 (USA) Rocky Mountain Poison Control Center Phone: 1-866-531-8896 Product Support/Technical Services Phone: 1-800-366-5288

Emergency telephone number: CHEMTREC (24 hours): 1-800-424-9300 Contact E-Mail: VMIPSrecords@zoetis.com Zoetis Belgium S.A. Mercuriusstraat 20 1930 Zaventem Belgium

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

# 2. HAZARDS IDENTIFICATION

 Appearance:
 Pellets

 Classification of the Substance or Mixture

 GHS - Classification
 Not classified as hazardous

**EU Classification:** 

EU Indication of danger: Not classified

### Label Elements

Signal Word:Not ClassifiedHazard Statements:Not classified in accordance with international standards for workplace safety.

 

 Other Hazards Short Term:
 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.

 Australian Hazard Classification (NOHSC):
 Non-Hazardous Substance. Non-Dangerous Goods.

 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.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Gentamicin	1403-66-3	215-765-8	Not Listed	Not Listed	##

Ingredient	CAS Number	EU	EU Classification	GHS	%
		EINECS/ELINCS		Classification	
		List			
Moraxella Bovis Bacterin	NOT ASSIGNED	Not Listed	Not Listed	Not Listed	*

**Additional Information:** 

\* Proprietary

## Trace

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

### For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

# 4. FIRST AID MEASURES

Description of First Aid Measures Eye Contact:	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Skin Contact:	Wash skin with soap and water. If irritation occurs or persists, get medical attention.
Ingestion:	Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
Most Important Symptoms and Effe Symptoms and Effects of Exposure: Medical Conditions Aggravated by Exposure:	ects, Both Acute and Delayed For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information. None known
Indication of the Immediate Medica Notes to Physician:	Il Attention and Special Treatment Needed None
	5. FIRE-FIGHTING MEASURES
Extinguishing Media:	Extinguish fires with CO2, extinguishing powder, foam, or water.
Special Hazards Arising from the S Hazardous Combustion Products:	<b>Substance or Mixture</b> Formation of toxic gases is possible during heating or fire.
Fire / Explosion Hazards:	Fine particles (such as dust and mists) may fuel fires/explosions.
Advice for Fire-Fighters	

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During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus. Dike and collect water used to fight fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

### **Environmental Precautions**

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

### Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Contain the source of spill if it is safe to do so. Collect spilled material by a method that **Collecting:** controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

Additional Consideration for Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel. Large Spills:

# 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

Keep away from heat, sparks, and flame. Use with adequate ventilation. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Releases to the environment should be avoided. Wash thoroughly after handling. Use appropriate personal protective equipment. Avoid accidental injection.

### Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store in a cool, dry, well-ventilated area. Do not freeze. Storage Temperature: 2-7°C No data available

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control Parameters**

Specific end use(s):

Refer to available public information for specific member state Occupational Exposure Limits.

### Gentamicin

**Bulgaria OEL - TWA** 

0.1 mg/m<sup>3</sup>

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Gentamicin Zoetis OEB	OEB 2 (control exposure to the range of $100 \text{ug/m}^3$ to < $1000 \text{ug/m}^3$ )
Exposure Controls	
Engineering Controls:	Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes.
Personal Protective	Refer to applicable national standards and regulations in the selection and use of personal
Equipment:	protective equipment (PPE).
Hands:	Wear impervious gloves if skin contact is possible.
Eyes:	Safety glasses or goggles

No data available. No data available.

Mixture

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin:

Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and

**Respiratory protection:** 

laboratory areas. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range.

> **Odor Threshold: Molecular Weight:**

Color:

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Odor: Molecular Formula:	Pellets No data available. Mixture	Colo Odo Mole
Solvent Solubility: Water Solubility: pH: Melting/Freezing Point (°C):	No data available No data available No data available. No data available	
Boiling Point (°C): Partition Coefficient: (Method, pH, E No data available Decomposition Temperature (°C):	No data available. <b>ndpoint, Value)</b> No data available.	
Evaporation Rate (Gram/s): Vapor Pressure (kPa): Vapor Density (g/ml): Relative Density: Viscosity:	No data available No data available No data available No data available No data available No data available	
Flammablity: Autoignition Temperature (So Flammability (Solids): Flash Point (Liquid) (°C): Upper Explosive Limits (Liquid		No data available No data available No data available No data available

Upper Explosive Limits (Liquid) (% by Vol.): Lower Explosive Limits (Liquid) (% by Vol.):

# **10. STABILITY AND REACTIVITY**

Stable under normal conditions of use.

No data available

**Reactivity: Chemical Stability:** Possibility of Hazardous Reactions **Oxidizing Properties:** Conditions to Avoid: **Incompatible Materials: Hazardous Decomposition Products:** 

No data available Do not freeze. As a precautionary measure, keep away from strong oxidizers None expected under normal conditions.

No data available

# **11. TOXICOLOGICAL INFORMATION**

Information on Toxicological Effects **General Information:** 

Toxicological properties of the formulation have not been fully investigated. The antigens included in this product are non-infectious. All have been prepared from attenuated preparations of microorganisms. The information included in this section describes the potential hazards of the individual ingredients.

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# **11. TOXICOLOGICAL INFORMATION**

### Acute Toxicity: (Species, Route, End Point, Dose)

### Gentamicin

Rat Oral LD50 6600 mg/kg Rat Subcutaneous LD50 710mg/kg Mouse IM LD50 167 mg/kg Rat IM LD50 463 mg/kg

### Irritation / Sensitization: (Study Type, Species, Severity)

Gentamicin Eye Irritation Rabbit Non-irritating

### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

Gentamicin Embryo / Fetal Development	Rat	Intramuscular	75 mg/kg/day	LOAEL	Developmental toxicity
Carcinogen Status:		None of the cor	nponents of this fo	rmulation a	re listed as a carcinogen by IARC, NTP or OSHA.

# **12. ECOLOGICAL INFORMATION**

Environmental Overview:	The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.
Toxicity:	No data available
Persistence and Degradability:	No data available
Bio-accumulative Potential:	No data available
Mobility in Soil:	No data available

# **13. DISPOSAL CONSIDERATIONS**

Waste Treatment Methods:Dispose of waste in accordance with all applicable laws and regulations. Member State<br/>specific and Community specific provisions must be considered. Considering the relevant<br/>known environmental and human health hazards of the material, review and implement<br/>appropriate technical and procedural waste water and waste disposal measures to prevent<br/>occupational exposure and environmental release. It is recommended that waste minimization<br/>be practiced. The best available technology should be utilized to prevent environmental<br/>releases. This may include destructive techniques for waste and wastewater.

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# **14. TRANSPORT INFORMATION**

The following refers to all modes of transportation unless specified below.

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

# **15. REGULATORY INFORMATION**

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Canada - WHMIS: Classifications WHMIS hazard class: None required

Moraxella Bovis Bacterin	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed
Gentamicin	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Australia (AICS):	Present
Standard for the Uniform Scheduling	Schedule 4
for Drugs and Poisons:	
EU EINECS/ELINCS List	215-765-8

## **16. OTHER INFORMATION**

Data Sources:	The data contained in this MSDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.
Reasons for Revision:	Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 5 - Fire Fighting Measures. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 10 - Stability and Reactivity.
Prepared by:	Toxicology and Hazard Communication Zoetis Global Risk Management

Zoetis 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. If data for a hazard are not included in this document there is no known information at this time.

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End of Safety Data Sheet