



## 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>RespiSure®; RespiSure-ONE™</b>
<b>Product name</b>	Mycoplasma Hyopneumoniae Bacterin
<b>Therapeutic use</b>	Veterinary Vaccine
<b>Description</b>	Milky, white liquid in vial

### SECTION 2 - COMPOSITION

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Amphigen base	Not assigned	Proprietary
EDTA solution	Not assigned	Proprietary
Merthiolate (as mercury)*	54-64-8	Trace
Mycoplasma Hyopneumoniae	Not assigned	Proprietary
Polysorbate 80 - NF	9005-65-6	Proprietary
Sorbitan oleate*	1338-43-8	<5%
White mineral oil, NF*	8042-47-5	Proprietary

\*Hazardous

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

### SECTION 3 - HAZARDS IDENTIFICATION

<b>Signal word</b>	<b>CAUTION!</b>
<b>Statements of hazard</b>	<b>MAY CAUSE RESPIRATORY TRACT IRRITATION</b>
<b>Eye effects</b>	May cause eye irritation.
<b>Skin effects</b>	May cause allergic reaction.
<b>Inhalation effects</b>	Exposure to high concentrations of vapor or mist may cause minor respiratory irritation. An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).
<b>Ingestion effects</b>	May cause lung damage if swallowed. Vomiting of petroleum-containing liquids can result in chemical pneumonitis.

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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>	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>	In the event of swallowing this material, seek medical assistance. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.
<b>Note to physician</b>	This product contains petroleum distillate, aspiration into the lungs can result in pulmonary edema.

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## SECTION 5 - FIRE FIGHTING MEASURES

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<b>General hazard</b>	This product is a nonflammable aqueous solution.
<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>	Toxic and corrosive gases including carbon monoxide and oxides of nitrogen may be generated.

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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.
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## SECTION 6 - ACCIDENTAL RELEASE MEASURES ... continued

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<b>Small spill</b>	Contain the source of the spill or leak. Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal.
<b>Large spill</b>	Contain the source of the spill or leak if it is safe to do so. Use appropriate containment to avoid environmental contamination. Dike, pump, or use non-combustible material to absorb spill; then place in a labeled container for disposal. Close container and move it to a secure holding area. Prevent runoff from entering drains, sewers, or streams.

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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. Avoid breathing vapor or mist. Use appropriate personal protective equipment.
<b>Storage conditions</b>	Follow package instructions
<b>Temperature range for storage</b>	2-7°C. Do not freeze.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Exposure limits</b>			
<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Merthiolate (as mercury)	OSHA	TWA-8 Hr	0.01 mg/m <sup>3</sup> (skin)
	ACGIH	TWA-8 Hr	0.1 mg/m <sup>3</sup> (skin)
White mineral oil, NF	OSHA	TWA-8 HR	5 mg/m <sup>3</sup> (Oil Mist, mineral)
<b>Ventilation</b>	Good general ventilation should be sufficient to control airborne levels.		
<b>Respiratory protection</b>	In the event of a spill where the applicable Occupational Exposure Limit (OEL) may be exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures below the OEL.		
<b>Eye protection</b>	Not required under normal conditions of use. Wear eye protection if eye contact is possible.		
<b>Skin protection</b>	None required for the normal use of this material. Wash hands and arms thoroughly after handling this material. Clean up spills immediately.		
<b>Hand protection</b>	Not required for the normal use of this product. Wear impervious gloves if skin contact is possible.		

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical form</b>	Liquid
<b>Color</b>	White

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** ... continued

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<b>Clarity</b>	Milky
<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>	No data available
<b>Water solubility</b>	Components are soluble in water
<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>	Avoid extreme temperatures
<b>Incompatibilities</b>	Oxidizers
<b>Hazardous decomposition products</b>	None known
<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>					
<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Result</u>	
Polysorbate 80 - NF	LD <sub>50</sub>	Oral	Rat	25,000 mg/kg	
<b>Eye</b>	Not determined for this mixture. Oil vapors or mist may cause eye irritation.				
<b>Skin</b>	Not determined for this mixture. No skin irritation expected based on individual components.				

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**SECTION 11 - TOXICOLOGY INFORMATION** ... continued

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<b>Inhalation</b>	Not determined for this mixture. Oil vapors or mists may cause respiratory tract and mucous membrane irritation
<b>Ingestion</b>	May cause lung damage if swallowed. Vomiting of petroleum-containing liquids can result in chemical pneumonitis.
<b>Sensitization</b>	This product contains merthiolate which is considered to be a skin sensitizer.
<b>Subchronic effects</b>	High doses of sorbitan oleate fed to rats for 16 weeks resulted in kidney and liver effects.
<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.

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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. This product contains trace quantities of mercury, releases to the environment should be avoided.
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**SECTION 13 - DISPOSAL INFORMATION**

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<b>Disposal procedure</b>	Incineration is the recommended method of disposal for this material. Observe all local and national regulations when disposing of this mixture.  This product contains trace quantities of mercury and may qualify as a RCRA Hazardous Waste. Status should be confirmed using the EPA Toxicity Characteristic Leaching Procedure (TCLP).
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**SECTION 14 - TRANSPORTATION INFORMATION**

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<b>General shipping instructions</b>	Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.
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**SECTION 15 - REGULATORY INFORMATION**

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<b>EU Classification</b>	Not classified
<b>Canadian WHMIS</b>	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.**