SAFETY DATA SHEET



1. Identification

in identification	
Product identifier	FarrowSure® GOLD B
Other means of identification	
Synonyms	FarrowSure GOLD B * FARROWSURE® GOLD B™ * Parvovirus Vaccine, Killed Virus, Erysipelothrix Rhusiopathiae-Leptospira Bratislava-Canicola-Grippotyphosa-Hardjo- Icterohaemorrhagiae-Pomona Bacterin
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 and Drug Center	1-866-531-8896
Product Support/Technical Services	1-800-366-5288
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.
	Mercuriusstraat 20
	1930 Zaventem
	Belgium
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	Direct contact with eyes may cause temporary irritation. In the event of accidental injection, an allergic reaction may occur. Contains formaldehyde. May produce an allergic reaction. This product is an oil-adjuvanted suspension. Oil-adjuvant containing products may cause severe vasospasm following accidental injection.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Aluminum hydroxide gel		21645-51-2	<10
Amphigen (Mineral oil / Soy lecit	thin)	8042-47-5	<10
Formaldehyde		50-00-0	<0.1
Erysipelothrix rhusiopathiae		NOT ASSIGNED	*
Gentamicin		1403-66-3	##
Leptospira bratislava		NOT ASSIGNED	*
Leptospira canicola		NOT ASSIGNED	*
Leptospira grippotyphosa		NOT ASSIGNED	*
Leptospira hardjo		NOT ASSIGNED	*
Leptospira icterohaemorrhagiae		NOT ASSIGNED	*
Leptospira pomona		NOT ASSIGNED	*
Porcine Parvovirus		NOT ASSIGNED	*
Thimerosal		54-64-8	##
Composition comments	* Non-hazardous Ingredients ## Trace In accordance with 29 CFR 1910.1200, the e	exact percentage composition of	this mixture has beer
	withheld as a trade secret.		
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if symptor	ns develop or persist.	
Skin contact	In the case of skin contact, immediately was of accidental self injection or needle stick inju- water. Get medical attention immediately.		
Eye contact	Rinse thoroughly with plenty of water for at le contact lenses, if present and easy to do.	east 15 minutes and consult a ph	ysician. Remove
Ingestion	Rinse mouth. Call a physician or poison continustruction of medical personnel. Never give		
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporal redness, or discomfort. In the event of accide and symptoms might include skin rash, itchir characterized by rhinitis, sneezing, scratchy edema, coughing, shortness of breath, whee with acute exposures in sensitized patients.	ental injection, an allergic reactiong, redness or swelling. Respirate throat, oral mucosal edema, lary	n may occur. Signs ory reactions may be ngeal mucosal
Indication of immediate medical attention and special treatment needed	Treat symptomatically. Where parenteral oil- patient should be promptly evaluated for the syndrome.		
General information	For personal protection, see section 8 of the material(s) involved, and take precautions to	SDS. Ensure that medical perso protect themselves.	nnel are aware of the
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Car	bon dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the		
Specific hazards arising from the chemical	During fire, gases hazardous to health may b	be formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	protective clothing must be worn	in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened container	S.	
Specific methods	Use standard firefighting procedures and con	nsider the hazards of other involv	ved materials.
General fire hazards	No unusual fire or explosion hazards noted.		

6. Accidental release measure

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	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. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Avoid accidental injection. Wash thoroughly after handling. When using, do not eat, drink or smoke. Wear personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store away from direct sunlight. @ 2 - 7°C (36 - 45°F). Do not freeze. Store in original tightly closed container. Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Components	Туре	Value	
Formaldehyde (CAS 50-00-0)	STEL	2 ppm	
,	TWA	0.75 ppm	
US. OSHA Table Z-1 Limits for Air Conta	aminants (29 CFR 1910.1000)		
Components	Туре	Value	Form
Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5)	PEL	5 mg/m3	Mist.
US. OSHA Table Z-2 (29 CFR 1910.1000)		
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	Ceiling	0.04 mg/m3	
	TWA	0.01 mg/m3	
US. OSHA Table Z-3 (29 CFR 1910.1000)	U U	
Components	, Туре	Value	Form
Aluminum hydroxide gel (CAS 21645-51-2)	TWA	5 mg/m3	Respirable fraction.
, , , , , , , , , , , , , , , , , , ,		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
US ACGIH Threshold Limit Values		15 mppcf	Respirable fraction.
	Туре	15 mppcf Value	Respirable fraction.
Components Aluminum hydroxide gel	Type TWA		Form
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy		Value	Form
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS	TWA	Value 1 mg/m3	Form Respirable fraction.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0)	TWA TWA	Value 1 mg/m3 5 mg/m3	Form Respirable fraction.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0)	TWA TWA Ceiling	Value 1 mg/m3 5 mg/m3 0.3 ppm	Form Respirable fraction.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8)	TWA TWA Ceiling STEL TWA	Value 1 mg/m3 5 mg/m3 0.3 ppm 0.03 mg/m3	Respirable fraction.
US. ACGIH Threshold Limit Values Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8) US. NIOSH: Pocket Guide to Chemical H Components	TWA TWA Ceiling STEL TWA	Value 1 mg/m3 5 mg/m3 0.3 ppm 0.03 mg/m3	Form Respirable fraction.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8) US. NIOSH: Pocket Guide to Chemical H Components Amphigen (Mineral oil / Soy	TWA TWA Ceiling STEL TWA Hazards	Value 1 mg/m3 5 mg/m3 0.3 ppm 0.03 mg/m3 0.01 mg/m3	Form Respirable fraction. Inhalable fraction.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8) US. NIOSH: Pocket Guide to Chemical H Components Amphigen (Mineral oil / Soy	TWA TWA Ceiling STEL TWA Hazards Type	Value 1 mg/m3 5 mg/m3 0.3 ppm 0.03 mg/m3 0.01 mg/m3 Value	Form Respirable fraction. Inhalable fraction.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8) US. NIOSH: Pocket Guide to Chemical H	TWA TWA Ceiling STEL TWA Hazards Type STEL	Value 1 mg/m3 5 mg/m3 0.3 ppm 0.03 mg/m3 0.01 mg/m3 Value 10 mg/m3	Form Respirable fraction. Inhalable fraction. Form Mist.
Components Aluminum hydroxide gel (CAS 21645-51-2) Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8) US. NIOSH: Pocket Guide to Chemical H Components Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS	TWA TWA Ceiling STEL TWA Hazards Type STEL TWA	Value 1 mg/m3 5 mg/m3 0.3 ppm 0.03 mg/m3 0.01 mg/m3 Value 10 mg/m3 5 mg/m3	Form Respirable fraction. Inhalable fraction. Form Mist.

US. NIOSH: Pocket Guide Components	to Chemical Hazards Type	Value	Form
	TWA	0.01 mg/m3	
Biological limit values	No biological exposure limits noted for t	he ingredient(s).	
Exposure guidelines			
US - California OELs: Skir	designation		
Thimerosal (CAS 54-64 US - Tennessee OELs: Sk		absorbed through the skin.	
Thimerosal (CAS 54-64 US ACGIH Threshold Limi	I-8) Can be a	absorbed through the skin.	
Thimerosal (CAS 54-64 US NIOSH Pocket Guide to	I-8) Can be a o Chemical Hazards: Skin designation	absorbed through the skin.	
Thimerosal (CAS 54-64	I-8) Can be a	absorbed through the skin.	
Control banding approach	Gentamicin: Zoetis OEB 2 (control expo	sure to the range of 100ug/	m3 to < 1000ug/m3)
Appropriate engineering controls	Good general ventilation (typically 10 ai should be matched to conditions. If app or other engineering controls to maintain exposure limits have not been establish air contamination levels below the exposise section. General ventilation normally ad	licable, use process enclose n airborne levels below reco ed, maintain airborne levels sure limits or within the OEE	ures, local exhaust ventilation, ommended exposure limits. If to an acceptable level. Keep
-	s, such as personal protective equipmen		
Eye/face protection	If contact is likely, safety glasses with si	de shields are recommende	ed.
Skin protection Hand protection	Wear impervious gloves if skin contact i	s possible.	
Other	Wear suitable protective clothing. Use p coveralls, etc.) in both production and la		, lab coats, disposable
Respiratory protection	No personal respiratory protective equip wear suitable respiratory equipment. If a Exposure Band (OEB) range, wear an a control exposures to the bottom of the o airborne concentrations below recomme acceptable level (in countries where exp respirator must be worn.	airborne exposures are with ppropriate respirator with a DEB range. If engineering c ended exposure limits (when	in or exceed the Occupational protection factor sufficient to controls do not maintain re applicable) or to an
Thermal hazards	Not applicable.		
General hygiene considerations	Always observe good personal hygiene and before eating, drinking, and/or smol equipment to remove contaminants.		

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Cloudy white.
Odor	Not available.
Odor threshold	Not available.
рН	6 - 8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not available.

Flammability limit - upper	Not available.
(%)	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	100 %
Partition coefficient	Not available.
(n-octanol/water)	
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Specific gravity	0.8 - 1.2

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. High temperatures. Store at 2-7°C. Prolonged exposure to higher temperatures may adversely affect potency. Do not freeze.
Incompatible materials	Strong oxidizing 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	No adverse effects due to inhalation are expected.		
Skin contact Formaldehyde	Prolonged skin contact may c	ause temporary irritation. Species: Rabbit Severity: Moderate Severe	
Amphigen (Mineral oil / Soy I	ecithin)	Species: Rabbit Severity: Slight	
Eye contact Thimerosal	Direct contact with eyes may	cause temporary irritation. Species: Rabbit Severity: Mild	
Gentamicin		Species: Rabbit Severity: Non-irritating	
Formaldehyde		Species: Rabbit Severity: Severe	
Amphigen (Mineral oil / Soy I	ecithin)	Species: Rabbit Severity: Slight	

Expected to be a low ingestion hazard.

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.

Acute toxicity	Expected to be a low hazard for usual industrial or commercial handling by train		
Components	Species	Test Results	
Aluminum hydroxide gel (CAS	21645-51-2)		
<u>Acute</u>			
Other			
LD50	Rat	150 mg/kg	
Amphigen (Mineral oil / Soy led	cithin) (CAS 8042-47-5)		
Acute			
Oral			
LD50	Rat	> 5000 mg/kg	
Formaldehyde (CAS 50-00-0)			
Acute			
Inhalation			
LC50	Rat	0.48 mg/l, 4 Hours	
Oral			
LD50	Rat	800 mg/kg	
		100 mg/kg	
Chronic			
Inhalation			
LOAEL	Mouse	15 ppm, 2 years Tumors	
	Rat	15 ppm, 9 days Respiratory syste	m
		6 ppm, 2 years Tumors	
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	
Thimerosal (CAS 54-64-8)			
Acute			
Oral			
LD50	Mouse	91 mg/kg	
	Rat	75 mg/kg	
	Παι	7.5 mg/kg	
Subcutaneous	Pot	00 ~~///~	
LD50	Rat	98 mg/kg	
Skin corrosion/irritation	Prolonged skin contac	may cause temporary irritation.	
Corrosivity			
Amphigen (Miner	ral oil / Soy lecithin)	Species: Rabbit Severity: Slight	
Serious eye damage/eye	Direct contact with eye	s may cause temporary irritation.	
rious eye damage/eye	Direct contact with eye	s may cause temporary irritation.	

Information on toxicological effects

irritation

Eye Contact		
Thimerosal		Species: Rabbit Severity: Mild
Gentamicin		Species: Rabbit Severity: Non-irritating
Formaldehyde		Species: Rabbit Severity: Severe
Amphigen (Mineral c	il / Soy lecithin)	Species: Rabbit Severity: Slight
Respiratory or skin sensitization	n	
ACGIH sensitization		
FORMALDEHYDE (CAS	50-00-0)	Dermal sensitization Respiratory sensitization
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product contains formate This product is not expected	dehyde and merthiolate which are considered to be skin sensitizers. to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate mutagenic or genotoxic.	product or any components present at greater than 0.1% are
Mutagenicity Formaldehyde		In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria
		In Vitro Chromosome Aberration Result: Positive Species: Rodent
		In Vitro Sister Chromatid Exchange Result: Positive Species: Rodent
		In Vivo Chromosome Aberration Result: Positive Species: Not specified
Carcinogenicity	This product is not considere carcinogens are present at g	d to be a carcinogen by IARC, ACGIH, NTP, or OSHA. No known reater than 0.1%.
IARC Monographs. Overall	Evaluation of Carcinogenicity	,
Amphigen (Mineral oil / Soy lecithin) (CAS 8042-47-5) Formaldehyde (CAS 50-00-0) OSHA Specifically Regulated Substances (29 CFR 1910.		3 Not classifiable as to carcinogenicity to humans.1 Carcinogenic to humans.001-1050)
Formaldehyde (CAS 50-0		Cancer
Formaldehyde (CAS 50-0		Known To Be Human Carcinogen.
Reproductive toxicity	This product is not expected	to cause reproductive or developmental effects.
Developmental effects		
Formaldehyde		185 mg/kg/day Embryo / Fetal Development, Not teratogenic Maternal toxicity Species: Mouse Organ: Oral
		40 ppm Embryo / Fetal Development, Not Teratogenic Maternal Toxicity Species: Rat Organ: Inhalation

75 mg/kg/day Embryo / Fetal Development, Developmental toxicity Result: LOAEL Species: Rat Organ: Intramuscular

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 killed or inactivated preparations of microorganisms. This product is an oil-adjuvanted suspension. Oil-adjuvant containing products may cause severe vasospasm following accidental injection.

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.

Components		Species	Test Results
Formaldehyde (CAS 50-00-0	D)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	4.3 - 7.8 mg/l, 48 hours
Fish	LC50	Striped bass (Morone saxatilis)	10.302 - 16.743 mg/l, 96 hours
ersistence and degradability	No data is	available on the degradability of this proc	duct.
oaccumulative potential	No data available.		
obility in soil	No data available.		
ther 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

Disposal instructions	Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. 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. 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). 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	None known. This product contains trace quantities of mercury, releases to the environment should be avoided.			
Waste from residues / unused products	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 (see: Disposal instructions).			
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after containe emptied.			

14. Transport information

DOT

Not regulated as dangerous goods.

ΙΑΤΑ

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

15. negulatory more					
US federal regulations			o be a "Hazardous Che 29 CFR 1910.1200.	mical" as defined by th	e OSHA Hazard
TSCA Section 12(b) E	xport Notification	(40 CFR 707, Si	ubpt. D)		
Not regulated. CERCLA Hazardous S	Substance List (40	CFR 302.4)			
Formaldehyde (CAS 50-00-0) SARA 304 Emergency release notification			Listed.		
Formaldehyde (CA			100 LBS		
OSHA Specifically Re	,	es (29 CFR 1910			
Formaldehyde (CA	-		Cancer Skin sensitization Respiratory sensiti Eye irritation Skin irritation respiratory tract irri Acute toxicity Flammability		
Superfund Amendments a Hazard categories		Hazard - No azard - No d - No azard - No	SARA)		
SARA 302 Extremely	hazardous substar	nce			
Chemical name	CAS number	Reportable	Threshold planning quantity	Threshold planning quantity,	Threshold planning quantity,
		quantity (pounds)	(pounds)	lower value (pounds)	upper value (pounds)
Formaldehyde	50-00-0			lower value	upper value
Formaldehyde SARA 311/312 Hazaro chemical		(pounds)	(pounds)	lower value	upper value
SARA 311/312 Hazard	lous No	(pounds)	(pounds)	lower value	upper value
SARA 311/312 Hazaro chemical SARA 313 (TRI report Not regulated.	lous No	(pounds)	(pounds)	lower value	upper value
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations	lous No ing)	(pounds)	(pounds) 500	lower value	upper value
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAS) Clean Air Act (CAA) S	dous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid	(pounds) 100 ous Air Pollutar	(pounds) 500 nts (HAPs) List	lower value (pounds)	upper value
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAA) S Formaldehyde (CA	dous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid AS 50-00-0)	(pounds) 100 ous Air Pollutar	(pounds) 500 nts (HAPs) List	lower value (pounds)	upper value
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAS) Clean Air Act (CAA) S	dous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid AS 50-00-0)	(pounds) 100 ous Air Pollutar	(pounds) 500 nts (HAPs) List	lower value (pounds)	upper value
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAS S Clean Air Act (CAA) S Formaldehyde (CA Safe Drinking Water A	dous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid AS 50-00-0) Act Not regulat WARNING	(pounds) 100 ous Air Pollutar dental Release	(pounds) 500 hts (HAPs) List Prevention (40 CFR 68 ontains a chemical know	lower value (pounds) 3.130)	upper value
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAS) Clean Air Act (CAA) S Formaldehyde (CA Safe Drinking Water A (SDWA) US state regulations	dous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid AS 50-00-0) Act Not regulat WARNING birth defect	(pounds) 100 100 100 100 100 100 100 10	(pounds) 500 hts (HAPs) List Prevention (40 CFR 68 ontains a chemical know	lower value (pounds) 3.130) vn to the State of Califo	upper value (pounds)
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAS) Clean Air Act (CAA) S Formaldehyde (CA Safe Drinking Water A (SDWA) US state regulations US - California Pr Formaldehyde	tous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid AS 50-00-0) Act Not regulat WARNING birth defect roposition 65 - CRT e (CAS 50-00-0)	(pounds) 100 100 100 100 100 100 100 10	(pounds) 500 hts (HAPs) List Prevention (40 CFR 68 pottains a chemical know ductive harm. arcinogenic substanc Listed: January 1,	lower value (pounds) 3.130) vn to the State of Califo e	upper value (pounds)
SARA 311/312 Hazard chemical SARA 313 (TRI report Not regulated. Other federal regulations Clean Air Act (CAA) S Formaldehyde (CA Thimerosal (CAA) S Formaldehyde (CA Safe Drinking Water A (SDWA) US state regulations US - California Pr Formaldehyde US - California Pr Thimerosal (C US. California. Ca subd. (a))	dous No ing) Section 112 Hazard AS 50-00-0) 54-64-8) Section 112(r) Accid AS 50-00-0) Act Not regulat WARNING birth defect roposition 65 - CRT e (CAS 50-00-0) roposition 65 - CRT CAS 54-64-8)	(pounds) 100 100 100 100 100 100 100 10	(pounds) 500 nts (HAPs) List Prevention (40 CFR 68 pottains a chemical know ductive harm. arcinogenic substanc	lower value (pounds) 3.130) vn to the State of Califo e 1988	upper value (pounds)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	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
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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).

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

Issue date Version #	04-04-2017 01
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	This document has undergone significant changes and should be reviewed in its entirety.