SAFETY DATA SHEETS

This SDS packet was issued with item:

078695517

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078403627 078404098

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078912879

SAFETY DATA SHEET



1. Identification

Product identifier	ScourGuard® 4KC
Other means of identification	
Synonyms	ScourGuard 4KC * Bovine Rota-Coronavirus Vaccine, Killed Virus, Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid
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.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Quil-A saponin		66594-14-7	<5
Material name: ScourGuard® 4KC			SDS US

Chemical name	Common name and synonyms	CAS number	%
Formaldehyde		50-00-0	<0.1
Bovine coronavirus		NOT ASSIGNED	*
Bovine rotavirus		NOT ASSIGNED	*
Clostridium perfringens type C		NOT ASSIGNED	*
Escherichia coli		NOT ASSIGNED	*
Gentamicin		1403-66-3	##
Merthiolate (as mercury)		54-64-8	##
Composition comments	## Trace * Non-hazardous Ingredients In accordance with 29 CFR 1910.1200, the e withheld as a trade secret.	exact percentage composition of	this mixture has been
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if sympton	ns develop or persist.	
Skin contact	In the case of skin contact, immediately wash 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	iysician. Remove
Ingestion	Rinse mouth. Call a physician or poison cont instruction of medical personnel. Never give		
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause tempora 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 reactions, redness or swelling. Respirat throat, oral mucosal edema, lary	on may occur. Signs ory reactions may be ngeal mucosal
Indication of immediate medical attention and special treatment needed	Treat symptomatically. Saponins have little to effects when injected intravenously.	oxicity for humans when ingeste	d but have hemolytic
General information	For personal protection, see section 8 of the material(s) involved, and take precautions to		onnel are aware of the
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carl	bon dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the	nis will spread the fire.	
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	Move containers from fire area if you can do	so without risk.	
Specific methods	Use standard firefighting procedures and cor	nsider the hazards of other invol	ved materials.
General fire hazards	No unusual fire or explosion hazards noted.		
6. Accidental release meas	sures		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For pers	sonal protection, see section 8 o	f the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this spreading. Absorb in vermiculite, dry sand or recovery, flush area with water.		
	Small Spills: Wipe up with absorbent materia remove residual contamination.	al (e.g. cloth, fleece). Clean surfa	ce thoroughly to
Environmental precautions	Never return spills to original containers for r Avoid discharge into drains, water courses o	•	ection 13 of the SDS.

Material name: ScourGuard® 4KC

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 out of direct sunlight in dark, dry conditions. @ 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

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Туре	,	Value
Formaldehyde (CAS 50-00-0)	STEL		2 ppm
,	TWA		0.75 ppm
US. OSHA Table Z-2 (29 CFF Components	₹ 1910.1000) Type		Value
Merthiolate (as mercury) (CAS 54-64-8)	Ceiling		0.04 mg/m3
	TWA		0.01 mg/m3
US. ACGIH Threshold Limit			
Components	Туре		Value
Formaldehyde (CAS 50-00-0)	Ceiling		0.3 ppm
Merthiolate (as mercury) (CAS 54-64-8)	STEL		0.03 mg/m3
(TWA		0.01 mg/m3
US. NIOSH: Pocket Guide to			
Components	Туре		Value
Formaldehyde (CAS 50-00-0)	Ceiling		0.1 ppm
	TWA		0.016 ppm
Merthiolate (as mercury) (CAS 54-64-8)	STEL		0.03 mg/m3
	TWA		0.01 mg/m3
logical limit values	No biological exposure lir	nits noted for the ingred	lient(s).
osure guidelines			
US - California OELs: Skin d	•		
Merthiolate (as mercury) US - Tennessee OELs: Skin		Can be absorbed	through the skin.
Merthiolate (as mercury)		Can be absorbed	through the skin.
Merthiolate (as mercury) US NIOSH Pocket Guide to (· ,	Can be absorbed	through the skin.
Merthiolate (as mercury)		Can be absorbed	through the skin.
ntrol banding approach		2 (control exposure to th	ne range of 100ug/m3 to < 1000ug/m3)
propriate engineering trols	Keep air contamination le this section. General vent		e limits or within the OEB range listed above in te.
vidual protection measures,			
Eye/face protection	If contact is likely, safety	giasses with side shield	s are recommended.
Skin protection	Waarimponious dougoi	f chin contact is possible	2
Hand protection	Wear impervious gloves i	i skill contact is possible	
Other	Woor quitable protective	olothing. I lea protoctive	clothing (uniforms, lab coats, disposable

Material name: ScourGuard® 4KC

Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. 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. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
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

o. I hysioar and sherhear	
Appearance	Liquid Solution in multiple-dose vials
Physical state	Liquid.
Form	Liquid.
Color	Not available.
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	Non-flammable
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive 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)	Not available.
Partition coefficient (n-octanol/water)	Not available.
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. Store at 2-7°C. Prolonged exposure to higher temperatures may adversely affect potency. Do not freeze.

Material name: ScourGuard® 4KC

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 informat	lion	
Information on likely routes of e	exposure	
Inhalation	No adverse effects due to inhalation are expected.	
Skin contact Formaldehyde	Prolonged skin contact may cause temporary irritation. Species: Rabbit Severity: Moderate Severe	
Eye contact Merthiolate (as mercury)	Direct contact with eyes may cause temporary irritation. Species: Rabbit Severity: Mild	
Gentamicin	Species: Rabbit Severity: Non-irritating	
Formaldehyde	Species: Rabbit Severity: Severe	
Ingestion	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.	

Information on toxicological effects

Acute toxicity		
Components	Species	Test Results
Formaldehyde (CAS 50-00-0))	
<u>Acute</u> Inhalation LC50	Rat	0.48 mg/l, 4 Hours
Oral		
LD50	Rat	800 mg/kg
		100 mg/kg
<u>Chronic</u> Inhalation		
LOAEL	Mouse	15 ppm, 2 years Tumors
	Rat	15 ppm, 9 days Respiratory system
		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

Components	Species	Test Results	
Merthiolate (as mercury) (CAS	54-64-8)		
<u>Acute</u>			
Oral			
LD50	Rat	75 mg/kg	
Subcutaneous			
LD50	Rat	98 mg/kg	
Quil-A saponin (CAS 66594-14	1-7)		
Acute	,		
Intravenous			
LD50	Rat	670 ug/kg	
Skin corrosion/irritation			
Skin corrosion/irritation Serious eye damage/eye Irritation	-	ct may cause temporary irritation. es may cause temporary irritation.	
Eye Contact			
Merthiolate (as m	nercury)	Species: Rabbit Severity: Mild	
Gentamicin		Species: Rabbit	
		Severity: Non-irritating	
Formaldehyde		Species: Rabbit Severity: Severe	
Respiratory or skin sensitiza	tion		
ACGIH sensitization			
FORMALDEHYDE (C	AS 50-00-0)	Dermal sensitization Respiratory sensitization	
Respiratory sensitization	 Not a respiratory sens 	sitizer.	
		This product contains formaldehyde and merthiolate which are considered to be skin sensitizer This product is not expected to cause skin sensitization.	
Skin sensitization			
	This product is not ex	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are iic.	
Germ cell mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames)	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames)	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration Result: Positive	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. Indicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration Result: Positive Species: Rodent In Vitro Sister Chromatid Exchange	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. Indicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration Result: Positive Species: Rodent In Vitro Sister Chromatid Exchange Result: Positive	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. Indicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration Result: Positive Species: Rodent In Vitro Sister Chromatid Exchange	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. Indicate product or any components present at greater than 0.1% are sic. In Vitro Bacterial Mutagenicity (Ames) Result: Positive Species: Bacteria In Vitro Chromosome Aberration Result: Positive Species: Rodent In Vitro Sister Chromatid Exchange Result: Positive	
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Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in	pected to cause skin sensitization. Indicate product or any components present at greater than 0.1% are sic. 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	
Germ cell mutagenicity Mutagenicity	This product is not ex No data available to in mutagenic or genotox	pected to cause skin sensitization. Indicate product or any components present at greater than 0.1% are sic. 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	
Germ cell mutagenicity Mutagenicity Formaldehyde	This product is not ex No data available to in mutagenic or genotox	pected to cause skin sensitization. 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 In Vivo Chromosome Aberration Result: Positive Species: Not specified Insidered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. No known ent at greater than 0.1%.	
Germ cell mutagenicity Mutagenicity Formaldehyde Carcinogenicity IARC Monographs. Over Formaldehyde (CAS 5	This product is not ex No data available to in mutagenic or genotox This product is not co carcinogens are prese all Evaluation of Carcinog	pected to cause skin sensitization. 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: Rodent In Vivo Chromosome Aberration Result: Positive Species: Not specified In Sidered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. No known ent at greater than 0.1%. genicity 1 Carcinogenic to humans.	
Germ cell mutagenicity Mutagenicity Formaldehyde Carcinogenicity IARC Monographs. Over Formaldehyde (CAS 5 OSHA Specifically Regul	This product is not ex No data available to in mutagenic or genotox This product is not co carcinogens are prese all Evaluation of Carcinog 50-00-0) lated Substances (29 CFF	pected to cause skin sensitization. ndicate product or any components present at greater than 0.1% are dic. 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 In Vivo Chromosome Aberration Result: Positive Species: Not specified Insidered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. No known ent at greater than 0.1%. genicity 1 Carcinogenic to humans. 8 1910.1001-1050	
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Germ cell mutagenicity Mutagenicity Formaldehyde Carcinogenicity IARC Monographs. Over Formaldehyde (CAS 5 OSHA Specifically Regul Formaldehyde (CAS 5 US. National Toxicology	This product is not ex No data available to in mutagenic or genotox This product is not co carcinogens are prese all Evaluation of Carcinog 50-00-0) lated Substances (29 CFR 50-00-0) Program (NTP) Report or	pected to cause skin sensitization. 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: Rodent In Vivo Chromosome Aberration Result: Positive Species: Not specified In Sidered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. No known ent at greater than 0.1%. genicity 1 Carcinogenic to humans. 1910.1001-1050) Cancer	
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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
Gentamicin		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.	
Chronic effects	Prolonged inhalation may be h	armful.
Further information	inactivated preparations of mic	product are non-infectious. All have been prepared from killed or proorganisms. Saponins have little toxicity for humans when ffects when injected intravenously.

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	luct.
oaccumulative potential	No data av	vailable.	
obility in soil	No data av	vailable.	
ther adverse effects		dverse environmental effects (e.g. ozone endocrine disruption, global warming pote	depletion, photochemical ozone creation ential) 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. 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	The waste code should be assigned in discussion between the user, the producer and the waste disposal company. 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 container is emptied.

Material name: ScourGuard® 4KC

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

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

	TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4)						
	Formaldehyde (CAS 50-00-0)			Listed.			
	SARA 304 Emergency	release notification	on				
	Formaldehyde (CAS 50-00-0)			100 LBS			
	OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)						
	Formaldehyde (CA	S 50-00-0)		Cancer Skin sensitization Respiratory sensiti Eye irritation Skin irritation respiratory tract irr Acute toxicity Flammability			
Superfund Amendments and Reauthorization Act of 1986 (SARA)							
	Hazard categories	-					
	SARA 302 Extremely hazardous substance						
	Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)	
	Formaldehyde	50-00-0	100	500			

 Formaldehyde
 50-00-0
 100
 500

 SARA 311/312 Hazardous
 No

 chemical

 SARA 313 (TRI reporting)

 Not regulated.

Other federal regulations

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

Formaldehyde (CAS 50-00-0) Merthiolate (as mercury) (CAS 54-64-8)

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

Formaldehyde (CAS 50-00-0)

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Formaldehyde (CAS 50-00-0)

Listed: January 1, 1988

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Merthiolate (as mercury) (CAS 54-64-8) Listed: July 1, 1990

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Formaldehyde (CAS 50-00-0)

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

United States & Puerto Rico I oxic Substances Control Act (ISCA) Inventory

*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 #	05-05-2017 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.