SAFETY DATA SHEET



1. Identification

Product identifier	Synotic®		
Other means of identification			
Synonyms	SYNOTIC * Synotic® Otic Solution * Fluocinolone Acetonide and Dimethyl Sulfoxide Otic Solution		
Recommended use	Veterinary product used as anti-inflammatory (Steroid)		
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	1-866-531-8896		
and Drug Center 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	May be absorbed through the skin and cause systemic effects. May cause adverse effects on the developing fetus. Drugs of this class may cause Cushing's syndrome, manifested by moon face, obesity, headache, acne, thirst, increased urination, impotence, menstrual irregularities, facial hair growth, and mental changes.		

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%		
Dimethyl sulfoxide		67-68-5	60		
Propylene glycol		57-55-6	35-40		
Citric acid, anhydrous		77-92-9	<1		
Fluocinolone Acetonide		67-73-2	0.01		
Composition comments	In accordance with 29 CFR 1910.1200, the exwithheld as a trade secret.	kact percentage composition of	of this mixture has been		
4. First-aid measures					
Inhalation	Move to fresh air. Call a physician if symptom may be necessary.	s develop or persist. For brea	thing difficulties, oxyge		
Skin contact	May be absorbed through the skin and cause systemic effects. Wash off immediately with soap and plenty of water. Systemic effects could occur; get medical attention. Wash contaminated clothing before reuse.				
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.				
Ingestion	Rinse mouth. Get medical advice/attention if you feel unwell. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions.				
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporar redness, or discomfort. Mild skin irritation. Dru manifested by moon face, obesity, headache, menstrual irregularities, facial hair growth, and therapeutic use include itching, burning, conta	ugs of this class may cause C acne, thirst, increased urinati d mental changes. Adverse ef	ushing's syndrome, on, impotence,		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and trea		s may be delayed.		
General information	IF exposed or concerned: Get medical advice the SDS. Ensure that medical personnel are a precautions to protect themselves.				
5. Fire-fighting measures					
Suitable extinguishing media	Alcohol resistant foam. Powder. Carbon dioxid	de (CO2).			
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as th	is will spread the fire.			
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or to	oxic gases.			
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	rotective clothing must be wor	n in case of fire.		
Fire fighting equipment/instructions	Move containers from fire area if you can do s	so without risk.			
Specific methods	Use standard firefighting procedures and con-	sider the hazards of other invo	olved materials.		
General fire hazards	Material will burn in a fire.				
6. Accidental release meas	sures				
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Ensure a equipment and clothing during clean-up. Elim or flames in immediate area). Ventilate the co clothing. Do not breathe mist or vapor. Do not wearing appropriate protective clothing. Local cannot be contained. For personal protection,	inate all ignition sources (no s ntaminated area. Do not get i touch damaged containers o authorities should be advised	moking, flares, sparks, n eyes, on skin, or on r spilled material unless		
Methods and materials for containment and cleaning up	Ensure adequate ventilation. Eliminate all ign immediate area). Prevent product from enterin	ition sources (no smoking, flai	res, sparks, or flames ir		
	Large Spills: Stop the flow of material, if this is and place into containers. Following product r				
	Small Spills: Wipe up with absorbent material remove residual contamination.	(e.g. cloth, fleece). Clean sur	face thoroughly to		
	Never return spills to original containers for re	-use For waste disposal see	section 13 of the SDS		

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	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Wear personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment.
Conditions for safe storage, including any incompatibilities	Industrial use: It is recommended that all operations be fully enclosed and no air recirculated. Hygroscopic. Keep tightly closed in a dry, cool and well-ventilated place. @ 15-30°C (59-86°F). Keep away from heat, sparks and open flame. Use care in handling/storage. Keep container tightly closed. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Components	ntal Exposure Level (WEEL) Guides Type	Value	Form				
Dimethyl sulfoxide (CAS 67-68-5)	TWA	250 ppm					
Propylene glycol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.				
iological limit values	No biological exposure limits noted for	No biological exposure limits noted for the ingredient(s).					
ontrol banding approach	Fluocinolone Acetonide: Zoetis OEB 5 - Skin (control exposure to <1ug/m3, provide additional precautions to protect from skin contact)						
ppropriate engineering ontrols	Ensure adequate ventilation, especially in confined areas. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.						
dividual protection measure	s, such as personal protective equipme	nt					
Eye/face protection	Wear safety glasses with side shields (or goggles).						
Skin protection Hand protection	Wear appropriate chemical resistant gloves. Impervious, disposable gloves (double suggested) are recommended if skin contact with drug product is possible and for bulk processing operations						
Other	Avoid contact with the skin. Wear suitable protective clothing. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.						
Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is recommended as a precaution to minimize exposure. 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 the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.						
Thermal hazards	Not applicable.						
eneral hygiene onsiderations	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

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Clear.
Odor	Not available.

Material name: Synotic®

Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	201.2 °F (94.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.06 kPa @ 20C/68F
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble
Solubility (other)	Oil
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.
Flammability class	Combustible IIIB estimated
Oxidizing properties	Not oxidizing.
Specific gravity	1.07
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. Heat, flames and sparks. Sunlight. Excessive heat. Protect from freezing. This product may react with oxidizing agents.
Incompatible materials	Alkaline metals. Isocyanates. Acids. Alkalies. Incompatible with oxidizing agents.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Thermal decomposition products may include oxides of carbon, nitrogen, and sulfur. Hydrogen fluoride.
11. Toxicological informat	
Information on likely routes of e	-
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	May be absorbed through the skin and cause systemic effects. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Fluocinolone Acetonide	Severity: Moderate irritant

Citric acid, anhydrous

Species: Rabbit Severity: Mild

Skin contact			
Dimethyl sulfoxide		Species: Rabbit Severity: Mild	
Propylene glycol		Species: Rabbit Severity: Mild	
Eye contact	Direct contact with ev	es may cause temporary irritation.	
Dimethyl sulfoxide	Diroct contact with cy	Species: Rabbit Severity: Mild	
Propylene glycol		Species: Rabbit Severity: Mild	
Citric acid, anhydrous		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. Mild skin irritation. Drugs of this class may cause Cushing's syndrome, manifested by moon face, obesity, headache, acne, thirst, increased urination, impotence, menstrual irregularities, facial hair growth, and mental changes. Adverse effects associated with therapeutic use include itching, burning, contact dermatitis, Irritant effects.		
Information on toxicological ef	fects		
Acute toxicity	May be absorbed thro	ough the skin and cause systemic effects.	
Product	Species	Test Results	
Synotic®			
Acute			
Dermal			
ATE		> 10000 mg/kg	
Components	Species	> 10000 mg/kg Test Results	
Components Citric acid, anhydrous (CAS 77-9	-		
Components Citric acid, anhydrous (CAS 77-9 <u>Acute</u>	-		
Components Citric acid, anhydrous (CAS 77-9 <u>Acute</u> Oral	2-9)	Test Results	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50	2-9) Rat		
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5	2-9) Rat	Test Results	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute	2-9) Rat	Test Results	
Components Citric acid, anhydrous (CAS 77-9 <u>Acute</u> Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 <u>Acute</u> Dermal	2-9) Rat)	Test Results 3000 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50	2-9) Rat	Test Results	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation	2-9) Rat) Rat	Test Results 3000 mg/kg 40000 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50	2-9) Rat)	Test Results 3000 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral	2-9) Rat) Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50	2-9) Rat) Rat	Test Results 3000 mg/kg 40000 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic	2-9) Rat) Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation	2-9) Rat) Rat Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3 14500 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation NOAEL	2-9) Rat) Rat Rat Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation NOAEL Fluocinolone Acetonide (CAS 67	2-9) Rat) Rat Rat Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3 14500 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation NOAEL Fluocinolone Acetonide (CAS 67 Acute	2-9) Rat) Rat Rat Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3 14500 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation NOAEL Fluocinolone Acetonide (CAS 67 Acute Dermal	2-9) Rat) Rat Rat Rat Rat -73-2)	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3 14500 mg/kg 2.783 mg/L, 13 weeks Respiratory system	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation NOAEL Fluocinolone Acetonide (CAS 67 Acute Dermal LD50	2-9) Rat) Rat Rat Rat Rat	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3 14500 mg/kg	
Components Citric acid, anhydrous (CAS 77-9 Acute Oral LD50 Dimethyl sulfoxide (CAS 67-68-5 Acute Dermal LD50 Inhalation LC50 Oral LD50 Chronic Inhalation NOAEL Fluocinolone Acetonide (CAS 67 Acute Dermal	2-9) Rat) Rat Rat Rat Rat -73-2)	Test Results 3000 mg/kg 40000 mg/kg > 2000 mg/m3 14500 mg/kg 2.783 mg/L, 13 weeks Respiratory system	

Components	Species	Test Results
Propylene glycol (CAS 57-55-6) <u>Acute</u> Dermal		
LD50	Rabbit	20800 mg/kg
Oral LD50	Mouse	24900 mg/kg
	Rat	22000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may o	
Corrosivity Fluocinolone Aceton	ide	Species: Human Severity: Moderate irritant
Serious eye damage/eye irritation	Direct contact with eyes may	cause temporary irritation.
Eye Contact Dimethyl sulfoxide		Species: Rabbit Severity: Mild
Propylene glycol		Species: Rabbit Severity: Mild
Citric acid, anhydrou	S	Species: Rabbit Severity: Severe
Respiratory or skin sensitization Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected	to cause skin sensitization.
Skin sensitization Dimethyl sulfoxide		Species: Guinea Pig Severity: Negative
Germ cell mutagenicity	No data available to indicate mutagenic or genotoxic.	product or any components present at greater than 0.1% are
Mutagenicity		
Fluocinolone Aceton	ide	In Vitro Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella, E. coli
Dimethyl sulfoxide		In Vitro Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella
		In Vitro Cytogenetics Result: Negative Species: Chinese Hamster Ovary (CHO) cells
Fluocinolone Aceton	ide	In Vitro Forward Mutation Assay Result: Negative Species: Mouse Lymphoma
Dimethyl sulfoxide		In Vivo Cytogenetics Result: Positive Species: Rat
		In Vivo Micronucleus Result: Negative Species: Mouse

Mutagenicity				
Fluocinolone Aceton	ide		In Vivo Micronucleus Result: Negative Species: Mouse	
Dimethyl sulfoxide			In Vivo Sex-Linked R Result: Negative Species: Drosophila	Recessive Lethal Test
Carcinogenicity	This product	is not considered	to be a carcinogen by	IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall I Not listed. OSHA Specifically Regulate			01-1050)	
Not regulated.	a Substances	23 0111 1310.10	01-1000)	
US. National Toxicology Pro	ogram (NTP) F	eport on Carcino	ogens	
Not listed. Reproductive toxicity	Due to partia	l or complete lack	of data the classificat	tion is not possible. Repeat-dose studies in
				fects on developing fetus.
Developmental effects Fluocinolone Aceton	ide		0.13 mg/kg/day Emb Result: LOAEL Species: Rabbit Organ: Subcutaneou	ryo / Fetal Development, Embryotoxicity
Dimethyl sulfoxide			-	oryo / Fetal Development, Maternal
			200 mg/kg/day Embr Result: LOAEL Species: Rat Organ: Oral	yo / Fetal Development, Fetotoxicity
Fluocinolone Aceton	ide		50 ug/kg/day Embryd Maternal Toxicity, Te Result: LOAEL Species: Rat Organ: Subcutaneou	·
			50 ug/kg/day Embryo Embryotoxicity, Tera Result: LOAEL Species: Rabbit Organ: Subcutaneou	-
Specific target organ toxicity - single exposure	Not classifie	d.		
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible. This product may affect Endocrine system. through prolonged or repeated exposure.			
Aspiration hazard	Not an aspiration hazard.			
Chronic effects	Prolonged inhalation may be harmful.			
Further information	Caution - Ph	armaceutical ager	nt.	
12. Ecological information	n			
Ecotoxicity	possibility th		it spills can have a ha	ardous. However, this does not exclude the rmful or damaging effect on the environment.
Components		Species		Test Results
Dimethyl sulfoxide (CAS 67-6	8-5) EC50	Daphnia Magna	a (Water Flea)	24600 mg/L, Hours
Material name: Synotic®				2012

Components		Species	Test Results
	LC50	Lepomis macrochirus (Bluegill Sunfish)	> 40000 mg/L, 96 Hours
		Oncorhynchus mykiss (Rainbow Trout)	33000 - 37000 mg/L, 96 Hours
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	33000 - 37000 mg/l, 96 hours
Propylene glycol (CAS 57-55	5-6)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	710 mg/l, 96 hours
ersistence and degradability	No data is	available on the degradability of this product.	
ioaccumulative potential	No data av	ailable.	
obility in soil	No data av	ailable.	
ther adverse effects		dverse environmental effects (e.g. ozone dep endocrine disruption, global warming potentia	· •
3. Disposal consideratio	ons		
isposal instructions	Do not cor relevant kr appropriate occupatior practiced. This may i	ase to the environment. Do not allow this matu taminate ponds, waterways or ditches with cl own environmental and human health hazard e technical and procedural waste water and w hal exposure and environmental release. It is The best available technology should be util include destructive techniques for waste and w nce with local/regional/national/international r	nemical or used container. Considering t ds of the material, review and implement vaste disposal measures to prevent recommended that waste minimization to ized to prevent environmental releases. vastewater. Dispose of contents/contained
ocal disposal regulations	Dispose in	accordance with all applicable regulations.	-
azardous waste code	None know	vn.	
aste from residues / unused	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:

Since emptied containers may retain product residue, follow label warnings even after container is

Contaminated packaging

14. Transport information

DOT

products

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) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated.

Disposal instructions).

emptied.

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No		
	Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely hazar Not listed.	•		
SARA 311/312 Hazardous chemical	No		
SARA 313 (TRI reporting) Not regulated.			
ther federal regulations			
Clean Air Act (CAA) Sectio	n 112 Hazardous Air Pollutants (HAPs) List		
Not regulated. Clean Air Act (CAA) Sectio	n 112(r) Accidental Release Prevention (40 CFR 68.130)		
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
FEMA Priority Substan	ces Respiratory Health and Safety in the Flavor Manufacturir	ng Workplace	
Dimethyl sulfoxide (CAS 67-68-5) Low priority		
S state regulations	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This materi is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.		
ternational Inventories			
Country(s) or region	Inventory name	On inventory (yes/no)	
Australia	Australian Inventory of Chemical Substances (AICS)	Yes	
Canada	Domestic Substances List (DSL)	Yes	
Canada	Non-Domestic Substances List (NDSL)	No	
China	Inventory of Existing Chemical Substances in China (IECSC)		
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)		
Europe	European List of Notified Chemical Substances (ELINCS)		
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes	
Korea	Existing Chemicals List (ECL)	No	
New Zealand	New Zealand Inventory	No	
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes	
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 #	05-08-2017 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.