SAFETY DATA SHEETS

This SDS packet was issued with item:

078393061

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

078488207

SAFETY DATA SHEET



1. Identification

Product identifier	Lutalyse Sterile Solution	
Other means of identification		
Synonyms	LUTALYSE * DINOLYTIC * Lutalyse® * Lutalyse® Injection * Dinoprost tromethamine sterile solution * Lutalyse/Dinolytic 5 mg/ml Sterile Injectable Solution * Lutalyse 5 * Dinolytic 5	
Recommended use	Veterinary product used for estrus synchronization	
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	Reproductive toxicity	Category 1B
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label domente		

Label elements



Danger	
May damage fertility or the unborn child.	
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.	
IF exposed or concerned: Get medical advice/attention.	
Store locked up.	
Dispose of contents/container in accordance with local/regional/national/international regulations.	
None known.	

May cause eye irritation. May cause skin irritation. May be absorbed through the skin and cause systemic effects. Systemic exposure may affect reproductive hormone regulation and thus affect fertility and maintenance of pregnancy. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Women of childbearing age, asthmatics, and persons with bronchial and other respiratory problems should exercise extreme caution when handling this product. Dinoprost tromethamine is readily absorbed through the skin and can cause abortion and/or bronchospasms.

3. Composition/information on ingredients

Mixtures

withheld as a trade secret. First-aid measures halation If inhaled, remove to fresh air. For breathing difficulties, oxygen may be necessary. Call a physician or poison control center immediately. kin contact In the case of skin contact, immediately wash the skin with plenty of soap and water. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately. Wash contaminated clothing before reuse. ye contact Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Call a physician or poison control center immediately. gestion IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. 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. ost important methode Inhalation may cause difficulty breathing, chest tightness, and respiratory irritation. May cause redness and pain. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions. May cause reproductive effects. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. Breathing mist or vapour may be respiratory irritation. Refersts. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. Breathing mist or vapour may worsen asthma symptoms. dication of immediate Water fog. Foam. Dry chemical powder. Carbon dioxide precuse. Show this safety data sheet to the doctor in attendance. <th>Mixtures</th> <th></th> <th></th> <th></th>	Mixtures			
Dinoprost Tromethamine 38562-01-5 5 mg/ml Water 7732-18-5 omposition comments In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret. First-aid measures If inhaled, remove to fresh air. For breathing difficulties, oxygen may be necessary. Call a physician or poison control center immediately. kin contact In the case of skin contact, immediately wash the skin with plenty of soap and water. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately. Wash contaminated clothing before reuse. gestion Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses Continue rinsing. Call a physician or poison control center. Never give anything by mouth to a vicim who is unconscious or is having convolsions. ost important mptoms/effects, acute and sputum generation. Direct contact with eyes may cause temporary irritation. May cause redness and pain. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions. May cause reproductive effects. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. Breathing mist or vapour may worsen asthma symptoms. dication of immediate entreeded eneral information For personal protection, see section 8 of the SDS. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Sh	Chemical name	Common name and synonyms	CAS number	%
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nd precautions for firefightersre fightingMove containers from fire area if you can do so without risk.	Specific hazards arising from the chemical	During fire, gases hazardous to health may b	e formed.	
	Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	protective clothing must be wor	n in case of fire.
	Fire fighting equipment/instructions	Move containers from fire area if you can do	so without risk.	
pecific methods Use standard firefighting procedures and consider the hazards of other involved materials.	Specific methods	Use standard firefighting procedures and cor	nsider the hazards of other invo	lved materials.
eneral fire hazards No unusual fire or explosion hazards noted.	General fire hazards	No unusual fire or explosion hazards noted.		
. Accidental release measures	6. Accidental release meas	sures		

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Ensure adequate ventilation. Ventilate the contaminated area. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained.

Material name: Lutalyse Sterile Solution

Methods and materials for containment and cleaning up	Wear personal protective equipment. Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas.
	Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination.
	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	Do not handle until all safety precautions have been read and understood. Women of childbearing age, asthmatics, and persons with bronchial and other respiratory problems should exercise extreme caution when handling this product. Dinoprost tromethamine is readily absorbed through the skin and can cause abortion and/or bronchospasms. Accidental spillage on the skin should be washed off immediately with soap and water. Use this product with adequate ventilation. Do not breathe vapors or spray mist. Do not get in eyes, on skin, on clothing. Avoid prolonged exposure. Avoid accidental injection. When using, do not eat, drink or smoke. Wear personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. Avoid release to the environment.
Conditions for safe storage, including any incompatibilities	Use care in handling/storage. Store locked up. Keep away from heat, sparks and open flame. Store in a well-ventilated place. @ 15 - 25°C (59 - 77°F). 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.

Zoetis	_		
Components	Туре	Value	
Dinoprost Tromethamine (CAS 38562-01-5)	TWA	1 µg/m³	
US. Workplace Environme	ntal Exposure Level (WEEL) Guides		
Components	Туре	Value	
Benzyl Alcohol (CAS 100-51-6)	TWA	44.2 mg/m3	
		10 ppm	
Biological limit values	No biological exposure limits noted	for the ingredient(s).	
Exposure guidelines	OEL Additional Information: Dinoprost Tromethamine 15 minute STEL (Short-Term Exposure Limit) = 4 μ g/m3.		
Control banding approach	Not available.		
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. 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 facilities and emergency shower must be available when handling this product.		
ndividual protection measures	s, such as personal protective equipr	nent	
Eye/face protection	If contact is likely, safety glasses with side shields are recommended.		
Skin protection			
Hand protection	Wear appropriate chemical resistant gloves. Impervious gloves.		
Other	Wear suitable protective clothing. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.		

Respiratory protection	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 the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Thermal hazards	Not applicable.
General hygiene considerations	Observe any medical surveillance requirements. 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.
Odor threshold	Not available.
рН	7.8 - 8.2
Melting point/freezing point	32 °F (0 °C)
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	plosive 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 (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	0.996 - 1.004
10. Stability and reactivity	,
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and trans

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	No dangerous reaction known under conditions of normal use.
reactions	

Material name: Lutalyse Sterile Solution

Conditions to avoid	Contact with incompatible materials. Keep away from heat, spark, open flames and other sources of ignition.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Nitrogen oxides (NOx). Carbon oxides.

11. Toxicological information

Information on likely routes of				
Inhalation	May be harmful if inhaled. Breathing mist or vapour may worsen asthma symptoms.			
Skin contact	Prolonged skin contact ma cause systemic effects.	Prolonged skin contact may cause temporary irritation. May be absorbed through the skin and		
Benzyl Alcohol		Species: Guinea Pig Severity: Moderate		
		Species: Rabbit Severity: Minimal		
Dinoprost Tromethamine		Species: Rat Severity: No effect		
Eye contact	Direct contact with eyes m	ay cause temporary irritation.		
Benzyl Alcohol		Species: Rabbit		
		Severity: Severe		
Dinoprost Tromethamine		Species: Rabbit Severity: Severe		
Ingestion	May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.			
Symptoms related to the physical, chemical and	Inhalation may cause difficulty breathing, chest tightness, and respiratory irritation with coughing, wheezing, and sputum generation. May cause eye irritation. Exposure may cause temporary irritation, redness, or discomfort. Prolonged skin contact may cause temporary irritation. May cause redness and pain. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Systemic exposure may affect reproductive hormone regulation and thus affect fertility and maintenance of pregnancy. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. Breathing mist or vapour may worsen asthma symptoms.			
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toxicological characteristics	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic		
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toxicological characteristics Information on toxicological eff Acute toxicity Components	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed.		
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toxicological characteristics Information on toxicological eff Acute toxicity Components Benzyl Alcohol (CAS 100-51-6) <u>Acute</u>	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed.		
toxicological characteristics Information on toxicological eff Acute toxicity Components Benzyl Alcohol (CAS 100-51-6) Acute Dermal LD50 Inhalation	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i Species Rabbit	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed. Test Results 2000 mg/kg		
toxicological characteristics Information on toxicological eff Acute toxicity Components Benzyl Alcohol (CAS 100-51-6) Acute Dermal LD50	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i Species	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed. Test Results		
toxicological characteristics Information on toxicological eff Acute toxicity Components Benzyl Alcohol (CAS 100-51-6) Acute Dermal LD50 Inhalation	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i Species Rabbit	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed. Test Results 2000 mg/kg		
toxicological characteristics Information on toxicological eff Acute toxicity Components Benzyl Alcohol (CAS 100-51-6) Acute Dermal LD50 Inhalation LC50 Oral	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i Species Rabbit	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed. Test Results 2000 mg/kg > 4.178 mg/L		
toxicological characteristics Information on toxicological eff Acute toxicity Components Benzyl Alcohol (CAS 100-51-6) Acute Dermal LD50 Inhalation LC50	irritation, redness, or disco cause redness and pain. Ir class may develop allergic regulation and thus affect f produce gastrointestinal di vapour may worsen asthm fects May be harmful in contact effects. May be harmful if i Species Rabbit	mfort. Prolonged skin contact may cause temporary irritation. May ndividuals sensitive to this material or other materials in its chemical reactions. Systemic exposure may affect reproductive hormone fertility and maintenance of pregnancy. Ingestion of large amounts may sturbances including irritation, nausea, and diarrhea. Breathing mist or a symptoms. with skin. May be absorbed through the skin and cause systemic nhaled. May be harmful if swallowed. Test Results 2000 mg/kg > 4.178 mg/L		

Dinop

	nat	1200 mg/ng
prost Tromethamin	ne (CAS 38562-01-5)	
<u>Acute</u>		
Intravenous		
LD50	Mouse	331 mg/kg
Oral		
LD50	Mouse	711 mg/kg
	Rat	665 mg/kg

Material name: Lutalyse Sterile Solution

Components	Species	Test Results
Other		
LD50	Rat	101 mg/kg (Para-periosteal)
<u>Chronic</u>		
Intraperitoneal		
LOAEL	Rat	32.8 mg/kg, 6 months (Target organ(s): Male reproductive system)
kin corrosion/irritation	Prolonged skin contact	may cause temporary irritation.
Corrosivity		
Dinoprost Trometha	amine	Species: Rat Severity: No effect
Serious eye damage/eye rritation	Direct contact with eye	s may cause temporary irritation.
Eye Contact		
Benzyl Alcohol		Species: Rabbit Severity: Severe
Dinoprost Trometha	amine	Species: Rabbit Severity: Severe
Respiratory or skin sensitizatio	on	
Respiratory sensitization	Not a respiratory sensit	lizer.
Skin sensitization	This product is not exp	ected to cause skin sensitization.
Skin sensitization		
Dinoprost Tromethe	amine	GPMT Species: Guinea Pig Severity: Negative
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Mutagenicity		
Dinoprost Trometha	amine	Bacterial Mutagenicity (Ames)
		Result: Negative Species: Salmonella
		Direct DNA Interaction Result: Negative
Carcinogenicity	This product is not con	sidered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall	Evaluation of Carcinoge	enicity
Not listed. OSHA Specifically Regulat	ed Substances (29 CFB ·	1910.1001-1050)
Not regulated. US. National Toxicology Pr		
Not listed.		
Reproductive toxicity	May damage fertility or the unborn child. Repeat-dose studies in animals have shown a potential cause adverse effects on testes and developing fetus.	
Developmental effects		
Dinoprost Tromethamine		0.5 mg/kg/day Embryo / Fetal Development, Teratogenic Result: LOAEL Species: Rat
		Organ: Subcutaneous

Reproductivity Dinoprost Tromethar	mine 1 - 3 mg/kg/day Reproductive & Fertility, Fertility Result: NOAEL Species: Rat	
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible. May cause irritation to the respiratory system.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	
Further information	Women of childbearing age, asthmatics, and persons with bronchial and other respiratory problems should exercise extreme caution when handling this product. Dinoprost tromethamine is readily absorbed through the skin and can cause abortion and/or bronchospasms.	

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.

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Components		Species	Test Results
Benzyl Alcohol (CAS 100-51-	6)		
	EC50	Daphnia magna (Water Flea)	230 mg/L, 48 Hours
			66 mg/L, 21 Day(s) Reproduction
		Pseudokirchneriella subcapitata (Green Alga)	500 mg/L, 72 Hours
	LC50	Pimephales promelas (Fathead Minnow)	460 mg/L, 96 Hours
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	10 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	No data available.		
Partition coefficient n-octar	nol / water (log	Kow)	
Dinoprost Tromethamine		-0.46, Predicted Log D @	⊉ pH 7.4
Mobility in soil	No data available.		
Other adverse effects			lation photoshomical azona creation
Other 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 consideratio	ns		
Disposal instructions	Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. 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. Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in accordance with all applicable regulations.		
lazardous waste code	None known.		
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	•	l containers may retain product residue, fo	llow label warnings even after container is

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 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.

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

iemicai

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act Not regulated.

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(SDWA)
US state regulations
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California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International 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)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
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	Yes

Material name: Lutalyse Sterile Solution

Country(s) or region	Inventory name	On inventory (yes/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	12-16-2014
Revision date	06-03-2017
Version #	03
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.