

according to the OSHA Hazard Communication Standard

Buserelin Formulation

Versi 8.0	ion	Revision Date: 09/28/2024		S Number: 1714-00023	Date of last issue: 07/06/2024 Date of first issue: 05/03/2016
SEC	TION 1	. IDENTIFICATION			
	Produc Other n	t name neans of identification	-	`	4062) THETIC GONADOTROPHIN RELEASING
I	Manufacturer or supplier's		deta	ils	
	Compa Addres Telepho	-	:	126 E. Lincoln Av	enue sey U.S.A. 07065
I	Emerge	ency telephone address	:	1-908-423-6000 EHSDATASTEW/	ARD@merck.com
I	Recom	mended use of the c	hen	nical and restriction	ons on use
		mended use tions on use	:	Veterinary produc Not applicable	t

SECTION 2. HAZARDS IDENTIFICATION

	ccordance with the OSHA Hazard Communication Standard (29 CFR
1910.1200)	
Skin consitization	· Catagony 1

Skin sensitization	:	Category 1
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H317 May cause an allergic skin reaction.
Precautionary Statements	:	Prevention: P261 Avoid breathing mist or vapors. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves.
		Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical atten- tion. P363 Wash contaminated clothing before reuse.
		Disposal: P501 Dispose of contents and container to an approved waste disposal plant.



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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Benzyl alcohol	100-51-6	>= 1 - < 5
Buserelin	68630-75-1	< 0.1
Actual concentration is with	hold on a trade appret	

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8). Treat symptomatically and supportively.
Notes to physician	•	meat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.





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	azardous combustion prod- cts	:	Carbon oxides	
	pecific extinguishing meth- ds	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
S fo	pecial protective equipment r fire-fighters	:		e, wear self-contained breathing apparatus. rective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Avoid breathing mist or vapors. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety



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	litions for safe storage rials to avoid	assessment Take care to p environment. : Keep in proper Store in accord	d on the results of the workplace exposure revent spills, waste and minimize release to the ly labeled containers. dance with the particular national regulations. ith the following product types: ig agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

	Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
I	Benzyl alcohol	100-51-6	TŴA	10 ppm	US WEEL
ſ	Buserelin	68630-75-1	TWA	0.1 µg/m3 (OEB 5)	Internal
			Wipe limit	1 µg/100 cm ²	Internal

Engineering measures :	Use closed processing systems or containment technologies to control at source (e.g., glove boxes/isolators) and to prevent leakage of compounds into the workplace. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. No open handling permitted. Totally enclosed processes and materials transport systems are required. Operations require the use of appropriate containment technology designed to prevent leakage of compounds into the workplace.
Personal protective equipment	
Respiratory protection :	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand protection	
Material :	Chemical-resistant gloves
Remarks :	Consider double gloving.
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Eye protection		If the work env mists or aeros Wear a facesh	asses with side shields or goggles. vironment or activity involves dusty conditions, ols, wear the appropriate goggles. hield or other full face protection if there is a rect contact to the face with dusts, mists, or			
Skin	and body protection	: Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.				
Hygie	ene measures	: If exposure to eye flushing sy working place. When using de Contaminated workplace. Wash contami The effective of engineering co appropriate de industrial hygi	chemical is likely during typical use, provide stems and safety showers close to the			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid, Aqueous solution
Color	:	colorless
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	5.7 - 6.3
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower	:	No data available



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	flamma	bility limit			
	Vapor p	pressure	:	No data available)
	Relative	e vapor density	:	No data available)
	Relative	e density	:	No data available	9
	Density		:	1.004 g/cm ³	
	Solubilit Wate	ty(ies) er solubility	:	soluble	
	Partitior octanol	n coefficient: n-	:	No data available)
		ition temperature	:	Not applicable	
	Decom	position temperature	:	No data available)
	Viscosit Visc	y osity, kinematic	:	No data available	9
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecul	ar weight	:	Not applicable	
	Particle Particle	characteristics size	:	No data available	9

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability		Not classified as a reactivity hazard. Stable under normal conditions.
		Can react with strong oxidizing agents.
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.



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	Product: Acute oral toxicity		Acute toxicity estin Method: Calculation	mate: > 5,000 mg/kg on method
<u>Cor</u>	nponents:			
Ber	zyl alcohol:			
Acu	te oral toxicity	:	LD50 (Rat): 1,200	mg/kg
Acu	te inhalation toxicity	:	LC50 (Rat): > 5.4 Exposure time: 4 Test atmosphere: Method: OECD Te Assessment: The tion toxicity	h dust/mist
Bus	erelin:			
Acu	te oral toxicity	:	LD50 (Rat): 400 m	ng/kg
			LD50 (Mouse): > *	1,000 mg/kg
	te toxicity (other routes of ninistration)	:	LD50 (Rat): 36 mg Application Route	
			LD50 (Rat): > 500 Application Route	
			LD50 (Mouse): 56 Application Route	
			LD50 (Dog): > 100 Application Route	
II Skii	n corrosion/irritation			
	classified based on availa	ble	information.	
<u>Cor</u>	nponents:			
Ber	zyl alcohol:			
Spe Met Res	hod	:	Rabbit OECD Test Guide No skin irritation	line 404
Bus	serelin:			
	cies	:	Rabbit No skin irritation	

Serious eye damage/eye irritation

Not classified based on available information.



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<u>Com</u>	<u>oonents:</u>			
Benz	yl alcohol:			
Speci		:	Rabbit	
Resu Metho		:	Irritation to eyes OECD Test Gui	, reversing within 21 days deline 405
		-		
Buse				
Speci Resu		:	Rabbit No eye irritation	
itesu	it.	•	No eye imation	
Resp	iratory or skin sens	itizatio	n	
Skin	sensitization			
May o	cause an allergic skin	reactio	on.	
	iratory sensitization			
Not c	lassified based on av	ailable	information.	
Com	oonents:			
Benz	yl alcohol:			
Test		:	Human repeat in Skin contact	nsult patch test (HRIPT)
Speci	es of exposure	:	Humans	
Resu	lt	:	positive	
Asses	ssment	:	Probability or ev rate in humans	vidence of low to moderate skin sensitization
Buse	relin			
	es of exposure	:	Dermal	
Speci		:	Guinea pig	41
Resu	IT	:	Not a skin sensi	tizer.
Germ	cell mutagenicity			
	lassified based on av	ailable	information.	
Com	oonents:			
Benz	yl alcohol:			
	toxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)
Geno	toxicity in vivo	:	cytogenetic ass Species: Mouse	te: Intraperitoneal injection

Buserelin:





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Genotoxicity in vitro ::::::::::::::::::::::::::::::::::::	Version 8.0	Revision Date: 09/28/2024	SDS Number:Date of last issue: 07/06/2024641714-00023Date of first issue: 05/03/2016		
Result: negative Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Result: negative Carcinogenicity Not classified based on available information. Components: Benzyl alcohol: Species: Mathematication : Application Route : Application Route : Method : OECD Test Guideline 451 Result : Result : Species : Species : Result : Species : Result : Result : Species : Result : Species : Result : Mathod : Species : Result : Species : Result : Result : Result : Result : <	Geno	toxicity in vitro			
cytogrietic assay) Species: Mouse Application Route: Intraperitoneal injection Result: negative Carcinogenicity Not classified based on available information. Components: Benzyl alcohol: Species :: Mouse Application Route :: Ingestion Species :: Mouse Application Route :: Ingestion Buserelin: :: 0ECD Test Guideline 451 Result :: negative Buserelin: :: Species :: Rat Application Route :: Subcutaneous Exposure time :: 24 Months Result :: negative Target Organs :: Uterus (including cervix), Pituitary gland, Testes IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity Not classified based					
Not classified based on available information. Components: Species :: Mouse Application Route :: Ingestion Exposure time :: 103 weeks Method :: OECD Test Guideline 451 Result :: negative Buserelin: Species Species :: Rat Application Route :: Subcutaneous Exposure time :: 24 Months Result :: negative Target Organs :: Uterus (including cervix), Pituitary gland, Testes IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity INT No tassified based on available information. Components: Effects on fertility Benzyl alcohol: : Effects on fertility : Result: negative : Application Rou	Geno	toxicity in vivo	cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection		
Components: Benzyl alcohol: Species ingestion Application Route ingestion Exposure time ingestion Method ingestion Method ingestion Method ingestion Method ingestive Buserelin: ingestive Species ingestive Application Route ingestive Result ingestive Target Organs ingestive Target Organs indentified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is in on OSHA's list of regulated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity Not classified based on available information. Components: Effects on fertility Maximum Application Route: Ingestion Result: negative Application Route: Ingestion Result: negative </td <td></td> <td>• •</td> <td></td>		• •			
Henzyl alcohol: Species : Mouse Application Route : Ingestion Exposure time : 103 weeks Method : OECD Test Guideline 451 Result : negative Buserelin: : Species : Species : Rat Application Route : Subcutaneous Exposure time : 24 Months Result : : negative Target Organs : : Uterus (including cervix), Pituitary gland, Testes IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity Not classified based on available information. Components: Effects on fertility Effects on fertility : Test Type: Fertility/early embryonic development			ilable information.		
Species : Mouse Application Route : Ingestion Exposure time : 103 weeks Method : OECD Test Guideline 451 Result : negative Buserelin: : Species : Rat Application Route : Subcutaneous Exposure time : 24 Months Result : negative Target Organs : Uterus (including cervix), Pituitary gland, Testes IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity Not classified based on available information. Components: Encyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Motication Route: : Regreater is a seed on data from similar materials					
Species : Rat Application Route : Subcutaneous Exposure time : 24 Months Result : negative Target Organs : Uterus (including cervix), Pituitary gland, Testes IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity No t classified based on available information. Components: Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Result: negative Remarks: Based on data from similar materials	Spec Applie Expo Metho	ies cation Route sure time od	: Ingestion : 103 weeks : OECD Test Guideline 451		
Application Route : Subcutaneous Exposure time : 24 Months Result : negative Target Organs : Uterus (including cervix), Pituitary gland, Testes IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity No classified based on available information. Components: Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials	Buse	relin:			
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on OSHA's list of regulated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. Reproductive toxicity Not classified based on available information. Components: Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials	IARC				
identified as a known or anticipated carcinogen by NTP. Reproductive toxicity Not classified based on available information. Components: Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials	OSH				
Not classified based on available information. Components: Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials	NTP				
Components: Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials	-	-			
Benzyl alcohol: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials			allable information.		
Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials					
Effects on fetal development : Test Type: Embryo-fetal development		-	Species: Rat Application Route: Ingestion Result: negative		
	Effect	ts on fetal developme	nt : Test Type: Embryo-fetal development		



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			Species: Mouse Application Route Result: negative	e: Ingestion
Buser	elin:			
	s on fertility	:	Test Type: Fertilit Species: Rat Application Route Fertility: LOAEL: Result: Effects or	0.2 μg/kg
			Test Type: Fertili Species: Mouse, Application Route Fertility: LOAEL: Result: Effects or	e: Subcutaneous > 1,000 μg/kg
			Test Type: Fertilit Species: Mouse, Application Route Fertility: LOAEL: Result: Effects or	e: Subcutaneous 100 μg/kg
Effects	s on fetal development	:	Species: Rat Application Route Developmental T	yo-fetal development e: Intravenous injection oxicity: LOAEL: 0.4 μg/kg body weight oxic effects., Effects on early embryonic
			Species: Rabbit Developmental T	yo-fetal development oxicity: LOAEL: 0.1 μg/kg body weight oxic effects., No specific developmental
			Species: Mouse Developmental T	yo-fetal development oxicity: NOAEL: 0.1 μg/kg body weight oxic effects., No effects on F1 offspring.
Repro sessm	ductive toxicity - As-	:	May damage fert	ility.

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.





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Repe	ated dose toxicity		
Com	ponents:		
Benz	yl alcohol:		
	EL cation Route sure time	: Rat : 1.072 mg/l : inhalation (dus : 28 Days : OECD Test Gu	
Buse	erelin:		
		: Rat : 0.5 ug/kg/day : Subcutaneous : 14 Days	
Expo		: Rat : 0.05 ug/kg/day : Subcutaneous : 28 Days : Testis	
		: Rabbit : 20 ug/kg/day : 4 Weeks : Prostate, Pituit	ary gland, Testis
		: Monkey : 5 ug/kg/day : 1 y : Ovary, Pituitary	/ gland
Expo		: Dog : 0.05 mg/kg : Subcutaneous : 30 Days : Pituitary gland,	Testis
Expo		: Dog : 0.05 mg/kg : Subcutaneous : 6 Months : Reproductive c	organs
Not c	ration toxicity lassified based on avai rience with human ex ponents:		

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Inhala	tion	effects, reduce turbance, ment	le reproductive effects, female reproductive d libido, Headache, Rash, Gastrointestinal dis- al depression, Local irritation damage fertility. an Evidence

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Benzyl alcohol:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 460 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 230 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 770 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 310 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC (Daphnia magna (Water flea)): 51 mg/l Exposure time: 21 d Method: OECD Test Guideline 211

Buserelin:

Ecotoxicology Assessment

Acute aquatic toxicity	:	No data available
Chronic aquatic toxicity	:	No data available

Persistence and degradability

Components:

Benzyl alcohol:

Biodegradability	: Result: Readily biodegradable. Biodegradation: 92 - 96 %
	Exposure time: 14 d



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	cumulative potential			
Partiti	/l alcohol: on coefficient: n- ol/water	: log Pow: 1.05		
	ity in soil ta available			
	adverse effects ta available			
SECTION	13. DISPOSAL CONS	IDERATIONS		

Disposal	methods
Disposal	memous

•		
Waste from residues	: Dispose of in accordance with local regulations.	
	Do not dispose of waste into sewer.	
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal.	
	If not otherwise specified: Dispose of as unused product.	

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.



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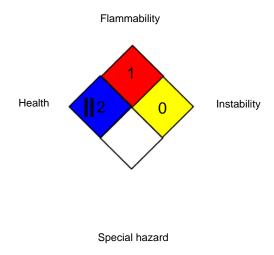
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	•			Threshold Planning Quantity
This r	material does not conta	ain an	y components w	vith a section 302 EHS TPQ.
SAR	A 311/312 Hazards	:	Respiratory or	skin sensitization
SAR	A 313	:	known CAS nu	loes not contain any chemical components with umbers that exceed the threshold (De Minimis) s established by SARA Title III, Section 313.
US S	tate Regulations			
Penn	sylvania Right To Kn	ow		
	Water Benzyl alcohol			7732-18-5 100-51-6
The i	ngredients of this pro	oduct	are reported in	n the following inventories:
AICS		:	not determined	
DSL		:	not determined	1
IECS	с	:	not determined	ł.

SECTION 16. OTHER INFORMATION







HMIS® IV:

HEALTH	/	2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

:

US WEEL	
US WEEL / TWA	

USA. Workplace Environmental Exposure Levels (WEEL) 8-hr TWA





Buserelin Formulation

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AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods: IMO - International Maritime Organization: ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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