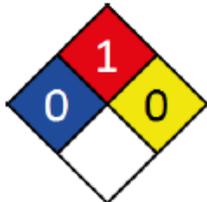


SECTION 1: IDENTIFICATION	
<b>1.1 Product identifier</b>	
<b>Product name:</b>	ZENALPHA® (Medetomidine and Vatinoxan)
<b>Synonyms:</b>	None
<b>Proper Shipping name:</b>	Not applicable
<b>Other means of identification:</b>	None
<b>1.2 Relevant identified uses of the substances or mixture and uses advised against</b>	
<b>Recommended uses:</b>	For intramuscular use in dogs for sedation and analgesia.
<b>Uses advised against:</b>	Not for human use.
<b>1.3 Details of the supplier of the substance or mixture</b>	
<b>Registered company name:</b>	Dechra Veterinary Products
<b>Address:</b>	7015 College Blvd Suite 525 Overland Park KS 66211 USA
<b>Telephone:</b>	866-933-2472
<b>Fax:</b>	Not available
<b>Email:</b>	Not available
<b>1.4 Emergency Telephone Numbers</b>	
<b>Dechra (US)</b>	866-933-2472

SECTION 2: HAZARD(S) IDENTIFICATION	
<b>2.1 Classification of the substance or mixture</b>	
<b>NFPA 704 diamond</b>	
	Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)
<b>Classification</b>	Not applicable
<b>2.2 Label Elements</b>	
<b>Hazard Pictogram:</b>	Not applicable
<b>Signal Word:</b>	Not applicable



<b>Hazard statement(s):</b>
Not applicable
<b>Hazard(s) not otherwise classified</b>
Not applicable
<b>Precautionary Statement(s) Prevention:</b>
Not applicable
<b>Precautionary Statement(s) Response:</b>
Not applicable
<b>Precautionary Statement(s) Storage:</b>
Not applicable
<b>Precautionary Statement(s) Disposal:</b>
Not applicable

### SECTION 3: Composition / INFORMATION ON INGREDIENTS

#### 3.1 Substances

See section for composition of Mixtures

#### 3.2 Mixtures

CAS No	% Weight	Name
99-76-3	Not Specified	methyl paraben
94-13-3	Not Specified	propyl paraben
86347-15-1	Not Specified	medetomidine hydrochloride
7647-14-5	Not Specified	sodium chloride
69-65-8	Not Specified	mannitol
68-04-2	Not Specified	sodium citrate
130466-38-5	Not Specified	vatinoxan hydrochloride
7732-18-5	Not Specified	water

### SECTION 4: FIRST-AID MEASURES

#### 4.1 Description of first aid measures

<b>Eye contact:</b>	Accidental spillage on the eyes should be washed off immediately with plenty of water. Remove contact lenses if possible. Seek medical advice if
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	pain and irritation persists and show the package leaflet or the label to the medical practitioner.
<b>Skin contact:</b>	In the case of contact with skin, wash with soap and water. If irritation persists, seek medical advice. Wash hands after use.
<b>Inhalation:</b>	Inhalation is highly unlikely due to the nature of the product and how it is packaged and administered. If irritation or difficulty in breathing occurs, remove the patient from the contaminated area. Seek medical advice if irritation persists and show the package leaflet or the label to the medical practitioner.
<b>Ingestion:</b>	If swallowed, do not induce vomiting and immediately give water. If discomfort persists, seek medical advice and show the package leaflet or the label to medical practitioner.
<b>Self-injection:</b>	Care should be taken to avoid self-injection. In case of accidental self-injection, seek medical advice immediately and show the package leaflet to the physician, but DO NOT DRIVE as sedation and changes in blood pressure may occur.

#### 4.2 Most important symptoms and effects, both acute and delayed

<b>Eye contact:</b>	Not expected to cause eye irritation
<b>Skin contact:</b>	Not expected to cause skin irritation
<b>Ingestion:</b>	May cause systemic effect of the drug (sedation etc.)
<b>Self-injection:</b>	Medetomidine is a CNS depressant and can cause sedation and changes in blood pressure. Pregnant women, or persons with known hypersensitivity to any of the ingredients, should exercise special caution to avoid exposure. Uterine contractions and decreased fetal blood pressure may occur after accidental systemic exposure.

See Section 11 for more detailed information

#### 4.3 Indication of immediate medical attention and special treatment needed

Treatment of overdose of oral sympathomimetics should be symptomatic and supportive

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

<b>Suitable:</b>	Select extinguishing media suitable for surrounding area
<b>Unsuitable:</b>	There is no restriction on the type of extinguisher which may be used

#### 5.2 Special hazards arising from the substance or mixture

<b>Fire incompatibility:</b>	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
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#### 5.3 Special protective actions for fire-fighters:

<b>Firefighting:</b>	Use water delivered as a fine spray to control fire and cool adjacent
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	<p>area.</p> <p><b>Do not</b> approach containers suspected to be hot.</p> <p>Cool fire exposed containers with water spray from a protected location.</p> <p>If safe to do so, remove containers from path of fire.</p> <p>Equipment should be thoroughly decontaminated after use.</p>
<b>Fire/explosion hazard:</b>	<p>Combustible</p> <p>Slight fire hazard when exposed to heat or flame.</p> <p>On combustion, may emit toxic fumes of carbon monoxide.</p>

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

For information on protective equipment, see section 8

### 6.2 Environmental Precautions

See section 12

### 6.3 Methods and material for containment and cleaning up

Spills are unlikely due to the nature of the product and how it is packaged

<b>Minor Spills:</b>	<p>Clean up all spills immediately.</p> <p>Avoid breathing vapours and contact with skin and eyes.</p> <p>Control personal contact with the substance, by using protective equipment.</p> <p>Place in a suitable, labelled container for waste disposal.</p>
<b>Major Spills:</b>	<p>Clear area of personnel and move upwind.</p> <p>Alert Fire Brigade and tell them location and nature of the hazard.</p> <p>Prevent, by any means available, spillage from entering drains or water course.</p>

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

<b>Safe Handling:</b>	<p>Wear suitable protection gloves and clothing when handling the product.</p> <p>When handling, <b>DO NOT</b> eat, drink or smoke.</p> <p>Always wash hands with water after handling.</p> <p>Observe manufacturer's storage and handling recommendations.</p>
<b>Other Information:</b>	<p>Keep the vial in the outer carton in order to protect from light.</p> <p>Store below 86°F (30°C)</p> <p>In use shelf life: 28 days at 77°F (25°C).</p> <p>Keep out of the reach and sight of children.</p>

### 7.2 Conditions for safe storage, including any incompatibilities



<b>Suitable Container:</b>	Zenalpha is supplied in cardboard outer box containing 1, 5 or 10 clear multidose glass vials of 10 mL fill volume. Each mL contains 0.5 mg medetomidine hydrochloride and 10 mg vatinoxan hydrochloride.
<b>Storage incompatibility:</b>	Avoid contamination of water, foodstuffs, feed or seed. Avoid reaction with oxidising agents
<b>7.3 Specific end uses</b>	
Not available	

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**OCCUPATIONAL EXPOSURE LIMITS (OEL)**

**INGREDIENT DATA**

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Limits (PELs) Table Z-3	propyl paraben	Inert or Nuisance Dust: Respirable fraction	5 mg/m <sup>3</sup> / 15 mppcf	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-3	propyl paraben	Inert or Nuisance Dust: Total Dust	15 mg/m <sup>3</sup> / 50 mppcf	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-1	propyl paraben	Particulates Not Otherwise Regulated (PNOR)- Total dust	15 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-1	propyl paraben	Particulates Not Otherwise Regulated (PNOR)- Respirable fraction	5 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	propyl paraben	Particulates not otherwise regulated Not	Not Available	Not Available	Not Available	Not Available

**EMERGENCY LIMITS:**

Ingredient	TEEL-1	TEEL-2	TEEL-3
sodium chloride	0.5 ppm	2 ppm	20 ppm
sodium citrate	9.3 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	610 mg/m <sup>3</sup>

Ingredient	Original IDLH	Revised IDLH
methyl paraben	Not Available	Not Available
propyl paraben	Not Available	Not Available
medetomidine hydrochloride	Not Available	Not Available
sodium chloride	Not Available	Not Available
mannitol	Not Available	Not Available
sodium citrate	Not Available	Not Available
vatinoxan hydrochloride	Not Available	Not Available
water	Not Available	Not Available

### Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
methyl paraben	E	≤ 0.01 mg/m <sup>3</sup>
medetomidine hydrochloride	E	≤ 0.01 mg/m <sup>3</sup>
sodium chloride	E	≤ 0.01 mg/m <sup>3</sup>

Notes: Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.

### 8.2 Exposure controls

<b>Appropriate engineering controls:</b>	Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.
<b>Personal protection:</b>	
<b>Eye and face protection:</b>	Safety glasses with side shields / chemical goggles
<b>Skin protection:</b>	See hand protection below
<b>Hands/ feet protection:</b>	Wear chemical protective gloves
<b>Body protection:</b>	Wear appropriate clothing



<b>Other protection:</b>	No special equipment needed when handling small quantities. Wear appropriate clothing.
<b>Thermal hazards:</b>	Not applicable
<b>Respiratory protection:</b>	Not applicable
<b>8.3 Environmental exposure controls</b> See Section 12	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:** Liquid

**Container:** Zenalpha is supplied in cardboard outer box containing 1, 5 or 10 clear multidose glass vials of 10 mL fill volume. Each mL contains 0.5 mg medetomidine hydrochloride and 10 mg vatinoxan hydrochloride.

**Physical state:** Liquid

**Odor:** Not available

**Melting point / freezing point (degrees C):** Not available

**Initial boiling point and boiling range:** Not applicable

**Flash Point:** Not applicable

**Evaporation rate:** Not applicable

**Flammability:** Not available

**Upper/lower flammability or explosive limits:** Not available

**Vapor pressure:** Not applicable

**Specific Gravity:** Not available

**Solubility in water and solvents (mg/L):** Miscible in water

**Auto ignition temperature (degrees C):** Not available

**Decomposition temperature (degrees C):** Not available

**Viscosity: (degrees C):** Not available

**Explosive properties:** Not available

**Oxidizing properties:** Not available

**Partition Coefficient:** Not available

**Taste:** Not applicable

**Surface tension:** Not available

**Volatile component:** Not available

**Gas group:** Not applicable

**pH:** 3.6 – 4.0

**VOC g/L:** Not applicable

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity:</b>	See Section 7.
<b>10.2 Chemical stability:</b>	Product is considered stable. Hazardous polymerisation will not occur.
<b>10.3 Possibility of hazardous reactions:</b>	See Section 7.



<b>10.4 Conditions to avoid:</b>	See Section 7.
<b>10.5 Incompatible materials:</b>	See section 7.
<b>10.6 Hazardous decomposition:</b>	See Section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Inhalation:</b>	Due to the nature of the product, the material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation.
<b>Ingestion:</b>	Due to the nature of the product, it is unlikely large quantities will be ingested. However, oral ingestion of sulphonamides following prolonged times has caused nausea, vomiting, diarrhoea, abdominal pain, loss of appetite, inflammation of the mouth cavity, impaired folic acid absorption, exacerbation of porphyria, acidosis, liver damage with impaired blood clotting, jaundice and inflammation of the pancreas.
<b>Skin contact:</b>	Not expected to cause skin irritation, however, this material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the bloodstream, through for example, cuts, abrasions or lesions, may produce systemic effects with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
<b>Eye contact:</b>	Not expected to cause eye irritation, however, this material can cause eye irritation and damage in some persons.
<b>Chronic:</b>	Due to the nature of the product, it is likely that humans will be exposed for long periods.

ZENALPHA® (Medetomidine and Vatinoxan)	<b>Toxicity</b>	<b>Irritation</b>
	Not available	Not Available
Methyl paraben	<b>Toxicity</b>	<b>Irritation</b>
	Oral(Mouse) LD50; 2100 mg/kg [2]	Eye: no adverse effect observed (not irritating) <sup>[1]</sup> Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
Propyl paraben	<b>Toxicity</b>	<b>Irritation</b>
	Oral(Rat) LD50; >5000 mg/kg <sup>[1]</sup>	Not available
Medetomidine hydrochloride	<b>Toxicity</b>	<b>Irritation</b>
	Oral(Rat) LD50; 31 mg/kg [2]	Not available
Sodium chloride	<b>Toxicity</b>	<b>Irritation</b>



	Dermal (rabbit) LD50: >10000 mg/kg <sup>[1]</sup> Inhalation(Rat) LC50; >10.5 mg/l4h <sup>[1]</sup> Oral(Rat) LD50; 3000 mg/kg <sup>[2]</sup>	Eye (rabbit): 10 mg – moderate Eye (rabbit):100 mg/24h – moderate Skin (rabbit): 500 mg/24h - mild	
Mannitol	<b>Toxicity</b>	<b>Irritation</b>	
	Oral(Rat) LD50; 13500 mg/kg <sup>[2]</sup>	Not available	
Sodium citrate	<b>Toxicity</b>	<b>Irritation</b>	
	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup> Oral(Mouse) LD50; 5000-6000 mg/kg <sup>[2]</sup>	Not available	
Vatinoxan hydrochloride	<b>Toxicity</b>	<b>Irritation</b>	
	Not available	Not available	
Water	<b>Toxicity</b>	<b>Irritation</b>	
	Not available	Not available	
1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances			
<b>Acute Toxicity</b>	✘	<b>Carcinogenicity</b>	✘
<b>Skin Irritation/Corrosion</b>	✘	<b>Reproductivity</b>	✘
<b>Serios Eye Damage/Irritation</b>	✘	<b>STOT – Single Exposure</b>	✘
<b>Respiratory or Skin Sensitization</b>	✘	<b>STOT – Repeated Exposure</b>	✘
<b>Mutagenicity</b>	✘	<b>Aspiration Hazard</b>	✘
✘ - Data either not available or does not fill the criteria for classification ✓ - Data available to make classification			

SECTION 12: ECOLOGICAL INFORMATION					
12.1 Toxicity					
Ingredient	Endpoint	Test duration (hr)	Species	Value	Source
ZENALPHA® (Medetomidine and Vatinoxan)	Not available	Not available	Not available	Not available	Not available
Methyl paraben	NOEC(ECx)	504	Crustacea	0.2 mg/L	2
	EC50	72	Algae or other aquatic plants	5-16mg/l	4
	LC50	96	Fish	59.5mg/l	2
	EC50	48	Crustacea	.73-22mg/l	4



Propyl paraben	EC10(ECx) EC50	Not available	Not available	Not available	Not available
Propyl paraben	EC50(ECx)	48	Algae or other aquatic plants	0-1.0 mg/L	4
	EC50	72	Algae or other aquatic plants	7.6 mg/L	2
	LC50	96	Fish	6.4 mg/L	2
	EC50	48	Crustacea	7.97 – 32 mg/L	4
Medetomidine hydrochloride	Not available	Not available	Not available	Not available	Not available
Sodium chloride	NOEC(ECx)	168	Crustacea	0.63 mg/L	4
	EC50	72	Algae or other aquatic plants	720.76-36.17 mg/L	4
	LC50	96	Fish	3644-4565 mg/L	4
	EC50	48	Crustacea	340.7-469.2 mg/L	4
	EC50	96	Algae or other aquatic plants	1110.36 mg/mL	4
Mannitol	EC10(ECx)	168	Algae or other aquatic plants	4773.64 mg/mL	4
Sodium citrate	EC50(ECx)	48	Crustacea	> 50 mg/L	2
	EC50	48	Crustacea	> 50 mg/L	2
	EC50	96	Algae or other aquatic plants	> 18000-32000 mg/L	1
Vatinoxan hydrochloride	Not available	Not available	Not available	Not available	Not available
Mannitol	Not available	Not available	Not available	Not available	Not available

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

**DO NOT** discharge into sewer or waterways.

## 12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Methyl paraben	LOW	LOW
Propyl Paraben	LOW	LOW
Sodium chloride	LOW	LOW
Mannitol	LOW	LOW
Water	LOW	LOW

## 12.3 Bioaccumulative potential

Ingredient	Bioaccumulative Potential
Methyl paraben	LOW (LogKOW = 1.96)



Propyl Paraben	LOW (LogKOW = 3.04)
Sodium chloride	LOW (LogKOW = 0.5392)
Mannitol	LOW (LogKOW = -3.0108)

#### 12.4 Mobility in Soil

Ingredient	Mobility
Methyl paraben	LOW (KOC = 125.6)
Propyl Paraben	LOW (KOC = 427.2)
Sodium chloride	LOW (KOC = 14.3)
Mannitol	LOW (KOC = 10)

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Product / packaging disposal:</b>	DO NOT allow wash water from cleaning or process equipment to enter drains. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill.
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### SECTION 14: TRANSPORT INFORMATION

#### Labels required

<b>Marine pollutant:</b>	NO
<b>Hazchem:</b>	Not applicable
<b>Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>Transport in bulk according to Annex II of MARPOL and the IBC code</b> Not applicable	
<b>Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code</b> Not available	
<b>Transport in bulk in accordance with the ICG Code</b> Not available	



**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**

**Methyl paraben (99-76-3)**

US - California - Biomonitoring - Priority Chemicals / US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory / US TSCA Chemical Substance Inventory - Interim List of Active Substances

**Propyl paraben (94-13-3)**

US - California - Biomonitoring - Priority Chemicals / US NIOSH Recommended Exposure Limits (RELs) / US OSHA Permissible Exposure Limits (PELs) Table Z-1 / US OSHA Permissible Exposure Limits (PELs) Table Z-3 / US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory / US TSCA Chemical Substance Inventory - Interim List of Active Substances

**Medetomidine hydrochloride (86347-15-1)**

Not applicable

**Sodium chloride (7647-14-5)**

US DOE Temporary Emergency Exposure Limits (TEELs) / US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory / US TSCA Chemical Substance Inventory - Interim List of Active Substances

**Mannitol (69-65-8)**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule / US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory / US TSCA Chemical Substance Inventory - Interim List of Active Substances

**Sodium citrate ( )**

TEELs / US EPA Integrated Risk Information System (IRIS) / US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule / US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory / US TSCA Chemical Substance Inventory - Interim List of Active Substances

**Vatinoxan hydrochloride (130466-38-5)**

Not applicable

**Water (7732-18-5)**

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory / US TSCA Chemical Substance Inventory - Interim List of Active Substances

**15.2 Federal Regulations**

**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

**Section 311/312 hazard categories**

Flammable (Gases, Aerosols, Liquids, or Solids)

No



Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No
<b>US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)</b> None reported	
<b>State Regulations:</b> <b>US. California Proposition 65</b> Not reported	
<b>National Inventory Status:</b>	
<b>National Inventory</b>	<b>Status</b>
Austrália – AICS / Australia Non-Industrial Use	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Canada – DSL	No (medetomidine hydrochloride, vatinoxan hydrochloride)



Canada – NDSL	No (methyl paraben; propyl paraben; medetomidine hydrochloride; sodium chloride; mannitol; vatinoxan hydrochloride; water)
China – IECSC	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Europe - EINEC / ELINCS / NLP	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Japan – ENCS	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Korea – KECI	No (medetomidine hydrochloride, vatinoxan hydrochloride)
New Zealand – NZIoC	No (vatinoxan hydrochloride)
Philippines – PICCS	No (medetomidine hydrochloride, vatinoxan hydrochloride)
USA – TSCA	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Taiwan – TCSI	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Mexico – INSQ	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Vietnam – NCI	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Russia – FBEPH	No (medetomidine hydrochloride, vatinoxan hydrochloride)
Legend:	Yes = All ingredients are on the inventory No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

## SECTION 16: OTHER INFORMATION

### Other Information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references. The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations:

PC—TWA: Permissible Concentration-Time Weighted Average

PC—STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

BCF: BioConcentration Factors

BEI: Biological Exposure Index



DSL: Domestic Substances List  
NDSL: Non-Domestic Substances List  
IECSC: Inventory of Existing Chemical Substance in China  
ELINCS: European List of Notified Chemical Substances  
NLP: No-Longer Polymers  
ENCS: Existing and New Chemical Substances Inventory  
KECI: Korea Existing Chemicals Inventory  
NZIoC: New Zealand Inventory of Chemicals  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
TSCA: Toxic Substances Control Act  
TCSI: Taiwan Chemical Substance Inventory  
INSQ: Inventario Nacional de Sustancias Químicas  
NCI: National Chemical Inventory  
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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