# This SDS packet was issued with item: 078037173

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

078160554 078945981 078947684

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

078360148



Revision date: 29-May-2015

Version: 2.0

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

**Product Identifier** 

Material Name: Nolvasan Otic

Trade Name: Synonyms: Chemical Family: NOLVASAN® Nolvasan Otic Cleansing Solution Mixture

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Intended Use: Veterinary product Restrictions on Use: Not for human use

Details of the Supplier of the Safety Data Sheet

Zoetis Inc.Zoeti100 Campus Drive, P.O. Box 651MerceFlorham Park, New Jersey 07932 (USA)1930Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896BelgProduct Support/Technical Services Phone: 1-800-366-5288

Emergency telephone number: CHEMTREC (24 hours): 1-800-424-9300 Contact E-Mail: VMIPSrecords@zoetis.com Zoetis Belgium S.A. Mercuriusstraat 20 1930 Zaventem Belgium

Emergency telephone number: International CHEMTREC (24 hours): +1-703-527-3887

### 2. HAZARDS IDENTIFICATION

Appearance:

Clear blue liquid

Classification of the Substance or Mixture GHS - Classification

Flammable liquids- Category 3

EU Classification:

EU Symbol: EU Risk Phrases:

None required

R10 - Flammable.

Label Elements

Signal Word: Hazard Statements:

Warning H226 - Flammable liquid and vapor

Material Name: Nolvasan Otic Revision date: 29-May-2015

Precautionary Statements:	P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking
·····	P233 - Keep container tightly closed
	P240 - Ground/Bond container and receiving equipment
	P241 - Use explosion-proof electrical/ventilating/lighting/equipment
	P242 - Use only non-sparking tools
	P243 - Take precautionary measures against static discharge
	P370 + P378 - In case of fire: Use dry chemical, CO2, foam, or water spray for extinction
	P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
	P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothir
	Rinse skin with water/shower
	P403 + P235 - Store in a well-ventilated place. Keep cool
	P501 - Dispose of contents/container in accordance with all local and national regulations



Other Hazards Short Term:

Long Term: Australian Hazard Classification (NOHSC):

Note:

Vapors may cause drowsiness and dizziness. May cause respiratory tract irritation. May cause eye irritation . May cause slight skin irritation.

May cause effects on liver , kidneys through prolonged or repeated exposure. Hazardous Substance. Dangerous Goods.

This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Isopropyl alcohol	67-63-0	200-661-7	Xi; R36	STOT SE 3 (H336) Flam. Liq. 2 (H225) Eye Irrit. 2A (H319)	

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Non-hazardous ingredients	Proprietary	Not Listed	Not Listed	Not Listed	95

Additional Information:

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. For one or more ingredients, the chemical identity has been withheld as a trade secret.

#### For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

Description of First Aid Measures Eye Contact:	Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
Skin Contact:	Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
Inhalation:	Remove to fresh air and keep patient at rest. Seek medical attention immediately.
Most Important Symptoms and Effect Symptoms and Effects of Exposure: Medical Conditions Aggravated by Exposure:	<b>cts, Both Acute and Delayed</b> For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information. None known

Indication of the Immediate Medical Attention and Special Treatment Needed Notes to Physician: None

### **5. FIRE-FIGHTING MEASURES**

Extinguishing Media:	Extinguish fires with CO2, extinguishing powder or foam.			
Special Hazards Arising from the Su Hazardous Combustion Products:	bstance or Mixture Formation of toxic gases is possible during heating or fire. May include oxides of carbon nitrogen and products of chlorine			
Fire / Explosion Hazards:	Flammable liquid and vapor . Vapors will form flammable or explosive mixtures with air at room temperature. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Fine particles (such as dust and mists) may fuel fires/explosions.			

#### Advice for Fire-Fighters

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

### **6. ACCIDENTAL RELEASE MEASURES**

#### Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

#### **Environmental Precautions**

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

#### Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting: Contain the source of the spill if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean contaminated surface thoroughly.

Material Name: Nolvasan Otic		
Revision date: 29-May-2015		

Page 4 of 10 Version: 2.0

Additional Consideration for Large Spills:	Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel. Contain the source of the spill or leak if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Clean spill area thoroughly.

### 7. HANDLING AND STORAGE

#### **Precautions for Safe Handling**

Flammable. Flammable liquid and vapor- keep away from ignition sources and clean up spills promptly. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding and bonding procedures. Avoid contact with eyes, skin, and clothing. Use appropriate personal protective equipment. Wash thoroughly after handling. Take precautionary measures against static discharges. Use with adequate ventilation. Avoid breathing vapor or mist. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

#### Conditions for Safe Storage, Including any Incompatibilities Keep in a cool, well-ventilated place. Keep away from heat, sparks, flame, and other sources of

Storage Conditions:

**Incompatible Materials:** Specific end use(s):

ignition. Acids, bases, and oxidizers No data available

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Control Parameters**

Refer to available public information for specific member state Occupational Exposure Limits.

#### Isopropyl alcohol

ACGIH Threshold Limit Value (TWA)	200 ppm
ACGIH Threshold Limit Value (TWA)	400 ppm
ACGIH - Biological Exposure Limit:	400 pp/1
Australia STEL	0
AUSTIALIA STEL	500 ppm 1230 mg/m <sup>3</sup>
Australia TWA	400 ppm
AUSIIdiid TWA	983 mg/m <sup>3</sup>
Austria OEL - MAKs	200 ppm
AUSUIA DEL - MARS	500 mg/m <sup>3</sup>
Belgium OEL - TWA	200 ppm
Beigidin OLL - TWA	500 mg/m <sup>3</sup>
Bulgaria OEL - TWA	980.0 mg/m <sup>3</sup>
Czech Republic OEL - TWA	500 mg/m <sup>3</sup>
Denmark OEL - TWA	200 ppm
	490 mg/m <sup>3</sup>
Estonia OEL - TWA	150 ppm
	350 mg/m <sup>3</sup>
Finland OEL - TWA	200 ppm
	500 mg/m <sup>3</sup>
Germany - TRGS 900 - TWAs	200 ppm
	500 mg/m <sup>3</sup>
Germany (DFG) - MAK	200 ppm
	500 mg/m <sup>3</sup>
Germany - Biological Exposure Limit:	25 mg/L

	8. EXPOSURE CONTROLS / PERSONAL PROTECTION				
G	Greece OEL - TWA		00 ppm		
		98	80 mg/m <sup>3</sup>		
н	lungary OEL - TWA	50	00 mg/m <sup>3</sup>		
Ir	reland OEL - TWAs	20	00 ppm		
J	Japan - OELs - Ceilings		00 ppm		
			80 mg/m <sup>3</sup>		
L	_atvia OEL - TWA		50 mg/m <sup>3</sup>		
L	_ithuania OEL - TWA		50 ppm		
			50 mg/m³		
C	DSHA - Final PELS - TWAs:		00 ppm		
			80 mg/m <sup>3</sup>		
	Poland OEL - TWA		00 mg/m <sup>3</sup>		
	Portugal OEL - TWA		00 ppm		
R	Romania OEL - TWA		1 ppm		
_			00 mg/m <sup>3</sup>		
	Romania - Biological Exposure		0 mg/L		
S	Slovakia OEL - TWA		00 ppm		
•			00 mg/m <sup>3</sup>		
5	Slovenia OEL - TWA		00 ppm		
			00 mg/m <sup>3</sup> 00 ppm		
3	Spain OEL - TWA		00 mg/m <sup>3</sup>		
9	Spain - Biological Exposure Li		0 mg/L		
	Sweden OEL - TWAs		50 ppm		
5	Sweden OLL - TWAS		50 mg/m <sup>3</sup>		
s	Switzerland OEL -TWAs		00 ppm		
0			00 mg/m <sup>3</sup>		
			00 mg/m		
Exposu	ure Controls				
	Engineering Controls:	Engineering controls should	be used as the primary means to control exposures. Keep		
-	ingineering controls.		s below the exposure limits listed above in this section. General		
			unless the process generates dust, mist or aerosols.		
Р	Personal Protective		standards and regulations in the selection and use of personal		
E	Equipment:	protective equipment (PPE).			
н	Hands:	Wear impervious gloves if skin contact is possible.			
E	Eyes:	Safety glasses or goggles			
S	Skin:		orms, lab coats, disposable coveralls, etc.) in both production and		
_		laboratory areas.			
R	Respiratory protection:		al Exposure Limit (OEL) is exceeded, wear an appropriate		
		respirator with a protection fa	actor sufficient to control exposures to below the OEL.		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Odor: Molecular Formula:

Solvent Solubility: Water Solubility: pH: Melting/Freezing Point (°C): Boiling Point (°C): Liquid No data available. Mixture

No data available

No data available.

No data available

No data available.

Soluble

Color: Odor Threshold: Molecular Weight: Blue No data available. Mixture

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Partition Coefficient: (Method, pH, Endpoint, Value) No data available Decomposition Temperature (°C): No data available.

Evaporation Rate (Gram/s):No data availableVapor Pressure (kPa):4.4 kPa / 33 mm Hg at 22CVapor Density (g/ml):2.07Relative Density:1Viscosity:No data available

Flammablity:

Autoignition Temperature (Solid) (°C): Flammability (Solids): Flash Point (Liquid) (°C): Upper Explosive Limits (Liquid) (% by Vol.): Lower Explosive Limits (Liquid) (% by Vol.): No data available No data available 48.9°C / 120°F (Open cup) No data available No data available

### **10. STABILITY AND REACTIVITY**

Stable under normal conditions of use.

No data available

Reactivity: Chemical Stability: Possibility of Hazardous Reactions Oxidizing Properties: Conditions to Avoid:

No data available Extremes of temperature and direct sunlight. Keep away from heat, spark, flames and all other sources of ignition. Fine particles (such as mists) may fuel fires/explosions. Acids, bases, and oxidizers

Incompatible Materials: Hazardous Decomposition Products:

11. TOXICOLOGICAL INFORMATION

Toxic or corrosive oxides of carbon and nitrogen.

Information on Toxicological Effects General Information:

Toxicological properties of the formulation have not been investigated. The information in this section describes the potential hazards of the individual ingredients and the formulation. Routes of exposure: eye contact, skin contact, inhalation

#### Acute Toxicity: (Species, Route, End Point, Dose)

#### Isopropyl alcohol

RatOralLD50> 2000 mg/kgMouseOralLD503600 mg/kgRatInhalationLC50-8h16,000 ppmRabbitDermalLD5012800 mg/kgRatInhalationLC5030mg/L

 Acute Toxicity Comments:
 A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

 Inhalation Acute Toxicity
 Inhalation of high concentrations or repeated exposure to isopropanol may cause central nervous system effects such as headache, dizziness and drowsiness.

#### Irritation / Sensitization: (Study Type, Species, Severity)

### **11. TOXICOLOGICAL INFORMATION**

#### Isopropyl alcohol

Eye Irritation Rabbit Severe Skin Irritation Rabbit Mild

Irritation / Sensitization Comments:May cause eye irritation.Skin Irritation / SensitizationMay cause mild skin irritation.

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

#### Isopropyl alcohol

20 Week(s) Rat Inhalation 4000 ppm NOAEL Liver, Central nervous system 104 Week(s) Rat Inhalation 5000 ppm Kidney

#### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

#### Isopropyl alcohol

Prenatal & Postnatal Development	Rat	Inhalation	7,000 ppm	LOAEL	Maternal toxicity, Fetotoxicity, Embryotoxicity
2 Generation Reproductive Toxicity	Rat	Oral 1000	mg/kg/day	LOAEL	Maternal Toxicity, Fetal mortality
Prenatal & Postnatal Development	Rat	Oral 1200	mg/kg/day	NOAEL	No effects at maximum dose

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

#### Isopropyl alcohol

Bacterial Mutagenicity (Ames)SalmonellaNegativeMammalian Cell MutagenicityHGPRT Chinese Hamster Ovary (CHO) cellsNegativeIn Vitro Sister Chromatid ExchangeNegative

Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

Isopropyl alcohol IARC:

Group 3 (Not Classifiable)

### **12. ECOLOGICAL INFORMATION**

Environmental Overview:	Environmental properties of the formulation have not been investigated. Releases to the environment should be avoided.
Toxicity:	No data available
Persistence and Degradability:	No data available
Bio-accumulative Potential:	No data available
Mobility in Soil:	No data available

### **13. DISPOSAL CONSIDERATIONS**

Waste Treatment Methods:

Waste of this product may qualify as a RCRA Hazardous Waste. Status should be confirmed by testing for RCRA hazardous characteristics (i.e. corrosivity, toxicity, reactivity, or ignitability). Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. 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.

### **14. TRANSPORT INFORMATION**

Domestically-non-restricted (alcohol content L/T 25%) Transport according to the requirements of the appropriate regulatory body.

le liquid, n.o.s. (contains isopropanol) able liquid)
120°F

Please refer to the applicable dangerous goods regulations for additional information. See "excepted quantity" provisions if applicable.

IATA / ICAO IATA UN / ID No: IATA Proper shipping name: IATA Hazard Class: IATA Packing Group:	UN 1993 Flammable Liquid, n.o.s. (contains isopropanol) 3 III
IMDG IMDG	
IMDG UN / ID No:	UN 1993
IMDG Proper shipping name:	Flammable Liquid, n.o.s.
IMDG Technical Shipping	Flammable liquid, n.o.s. (contains isopropanol)
Name:	
IMDG Hazard Class:	3
IMDG Packing Group:	III
Flash Point (°C):	48.9°C / 120°F
ADR/RID	
ADR / RID UN / ID No:	UN 1993
ADR/RID Proper shipping	Flammable Liquid, n.o.s.
name:	
ADR / RID Hazard Class:	3
ADR / RID Packing Group:	111
ADR / RID Item Number:	UN 1993

DOT : Not regulated for transportation

### **15. REGULATORY INFORMATION**

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

### **15. REGULATORY INFORMATION**

#### **Canada - WHMIS: Classifications** WHMIS hazard class:

Class B, Division 3 Class D, Division 2, and Subdivision B. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.



. . . . . . . . .

Isopropyl alcohol	
CERCLA/SARA 313 Emission reporting	1.0 %
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-661-7
Non-hazardous ingredients	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

### **16. OTHER INFORMATION**

#### Text of R phrases and GHS Classification abbreviations mentioned in Section 3

Acute toxicity, oral-Cat.4; H302 - Harmful if swallowed Acute toxicity, inhalation-Cat.2; H330 - Fatal if inhaled Serious eye damage/eye irritation-Cat.2A; H319 - Causes serious eye irritation Hazardous to the aquatic environment, acute toxicity-Cat.1; H400 - Very toxic to aquatic life Hazardous to the aquatic environment, chronic toxicity-Cat.1; H410 - Very toxic to aquatic life with long lasting effects Specific target organ toxicity, single exposure; Narcotic effects-Cat.3; H336 - May cause drowsiness and dizziness Flammable liquids-Cat.2; H225 - Highly flammable liquid and vapor

Xn - Harmful Xi - Irritant T+ - Very toxic N - Dangerous for the environment F - Highly flammable

# Material Name: Nolvasan Otic Revision date: 29-May-2015

R22 - Harmful if swallowed. R36 - Irritating to eyes. R26 - Very toxic by inhalation. R50 - Very toxic to aquatic organisms. R11 - Highly flammable. R67 - Vapors may cause drowsiness and dizziness. **Data Sources:** The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature. **Reasons for Revision:** Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 5 - Fire Fighting Measures. Updated Section 6 - Accidental Release Measures. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 10 - Stability and Reactivity. Updated Section 11 - Toxicology Information. Updated Section 13 - Disposal Considerations. Updated Section 14 - Transport Information. Updated Section 15 - Regulatory Information. Updated Section 16 -Other Information. Prepared by: Toxicology and Hazard Communication Zoetis Global Risk Management

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.

**End of Safety Data Sheet**