This SDS packet was issued with item:

078037231

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

078912905

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).

078037223

Page 1

MATERIAL SAFETY DATA SHEET



Nolvasan® Solution

Fo T Dodge Laboratories

800 5th Street NW PO Box 518

For 1 Dodge, IA 50501

Emergency Telephone No.:

(\$15) 955-4600

General Information No.:

(515) 955-4600

Preparation Date: Revision Date:

May 29, 1986 December 12, 1994

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Nolvasan@ Solution

1. 2 USE:

A scented disinfectant for the disinfection of inanimate objects to aid in the control of many common

microbiological agents.

1_3 SIZE: 1 pint and 1 gallon containers.

SYNONYMS: Nolvasan® Scented Disinfectant, Chloravan® Scented Disinfectant (Franklin Laboratories)

SECOMPOSITION ON PORMATION ON INGREDIENTS Endicates serve impredient.

INGREDIENT NAME

SYNONYMS Chlorhexidine Acutate CAS NO.

CONCENTRATION

Chlorhexiding Diacetata kopropyl Alcohol

Scent, dye, surfactants, and other ingredients considered to be trade secrets (these are considered Lopropanol

56-95-1 67-63-0 NA

2.0% 7.9% Balanco

o be non-hazardous)

S. HAZARDIDENHEROADION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS: 3. 1

Adverse health effects associated with this product are linked to the

ingredient isopropyl alcohol.

3_ 1. ACUTE EFFECTS:

INHALATION:

Prolonged or repeated inhalation of high concentrations of vapors may be harmful, causing

irritation of the mucous membranes and upper respiratory tract, nausea, vomiting, and

headache.

INGESTION:

May be harmful if swallowed, causing gastrointestinal irritation, nausea, vomiting, and

central nervous system effects.

SKIN:

May be mildly irritating to the skin, causing drying.

EYE:

Extremely irritating to the eyes.

3_ 1. TARGET ORGAN EFFECTS (SUBCHRONIC/CHRONIC):

Nerves/Kidneys

3. 1. CARCINOGENIC EFFECTS:

This product is not known to be carcinogenic.

3_1/ REPRODUCTIVE/TERATOGENIC EFFECTS:

There are no adverse reproductive or teratogenic effects associated with this product. However, the effects of this investigated.

Continued on Page 2

P. 03

Product Name: Noivasan® S Page 2

3.2 CARCINOGENICITY STATUS: This product is not known to be carcinogenic.

3.3 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory ailments or skin disorders.

INHALATION: Remove victim to fresh air. Administer oxygen If necessary. Seek medical attention immediately.

INGESTION: Seek medical attention immediately.

SKIN: Wash affected area thoroughly with soap and water. Consult a physician.

EYE: Seek medical attention immediately.

STORIES DIEGRANICATE AND STORIES

5.1 FLASH POINT: 103.5° F METHOD: Open Cup

5.1 AUTOIGNITION TEMPERATURE: Not established.

S.1 FLAMMABILITY LIMITS: (limits below are for isopropyl alcohol)

LOWER LIMIT: 2.5% UPPER LIMIT: 12%

5.4 UNUSUAL FIRE AND EXPLOSION HAZARDS: This product may release toxic vapors when subjected to fire

conditions.

5.5 COMMON EXTINGUISHING METHODS: Alcohol foam, water spray, carbon dioxide, dry chemical.

5.6 FIRE FIGHTING PROCEDURES: Fireflighers should take standard precautions when fighting fires involving

this material, including the use of SCBA.

CETTED TO THE THE PROPERTY OF THE PARTY OF T

For small spills involving this product (i.e., those resulting from normal usage), wipe up the spill using paper towels or other striable material. Wash area with water. For large spills, eliminate all sources of ignition. Contain the spill using booms, dikes, or absorbent material to prevent releases into waterways or onto land. Collect spilled material for future disposal.

ENDING AND THE RESE

Store in a cool, dry place away from fire or flame. Keep out of the reach of children.

Casa Masian esa araha eraha ing manggapangga (oreis

8.1 EXPOSURE GUIDELINES:

INGREDIENT NAME OSHA PEL/STEL

ACGIH TLY/STEL

Isopropyl Alcohol 400 ppm/500 ppm 400 ppm/500 ppm

Chlorhexidine Assialled by Global Safety Management, when global medial balanced by Global Safety Management, which global medial by Global Safety Management, which global medial balanced by Global Management, which global medial balanced by Global Management,

Continued on Page 3

FAX NO. 800 848 8826

P. 04

Product Name: Nolvasan 5® Page 3 VENTILATION: Special ventilation provisions are not considered necessary for normal usage of this product. If large quantities are being handled, local exhaust ventilation should be provided. 8.3 RESPIRATORY PROTECTION: Respiratory protection is not considered necessary for normal usage of this product. If necessary, use a NIOSH-approved chemical cartridge respirator fitted with organic vapor cartridges. 8,4 PROTECTIVE GLOVES: Latex gloves are recommended. 8.5 EYE PROTECTION: Safety glasses with side shields or safety goggles are recommended. 8.6 OTHER: NA SERVICE AND DEFINITION OF THE CONTROLL OF THE 9.1 APPEARANCE AND ODOR: Clear, blue, scented liquid. 9.2 MELTING POINT: Not established. 9.3 BOILING POINT: Not established. 9.4 SPECIFIC GRAVITY / DENSITY: 9.5 **VAPOR DENSITY:** Not established. 9.6 VAPOR PRESSURE: Not established. 9.7 SOLUBILITY WATER: Complete OTHER SOLVENTS: Not established. 9.8 **DECOMPOSITION TEMPERATURE:** Not established. 9.9 VISCOSITY: Not established. 9.10 σH: Not established THE RESIDENCE OF THE PROPERTY This product is considered stable under normal conditions. 10.1 STABILITY: This product may release toxic vapors when subjected to 10.2 HAZARDOUS DECOMPOSITION PRODUCTS: fire conditions. Avoid exposing this product to fire, flame, or excessive heat. 103 CONDITIONS TO AVOID: Avoid contact with strong acids or 10.4 MATERIALS AND SUBSTANCES TO AVOID bases. (INCOMPATIBILITY): DEFENDED DE DEKOME ENRORMATION 11.1 **ACUTE DATA**:

Toxicological data presented below is for the ingredients isopropyl alcohol and chlorhexidine diacetate.

INHALATION: Prolonged or repeated inhalation of high vapor concentrations may be harmful.

May be harmful if swallowed. (Isopropyl Alcohol) Oral LD50 (Rats) - 5,045 mg/Kg INGESTION:

(Chlorhexidine Diacetate) Oral LD50 (Mouse) - 2 g/Kg.

EYES: Extremely irritating to the eyes.

Obtained by Global Safety Management, www.globalmsdslibrary.com, (877) 683-7460 May be irritating to the skin. SKIN: Continued on Page 4

P. 05

FAX NO. 800 846 8626

P. 05

Product Name: Nolvasan® S Page 4

- 11.2 TARGET ORGAN EFFECTS DATA (SUBCHRONIC/CHRONIC): Nerves/Liver
- 11.3 CARCINOGENIC EFFECTS DATA: This product is not known to be carcinogenic.
- 11.4 MUTAGENIC EFFECTS DATA: This product is not known to be mutagenic.
- 11.5 REPRODUCTIVE / TERATOGENIC EFFECTS DATA: There are no adverse reproductive or teratogenic effects associated with this product. However, the effects of exposure to this product on pregnant women have not been thoroughly investigated.

HEAVEROUS ENGINEE AS TO DESE

12_1 U.S. DEPARTMENT OF TRANSPORTATION (DOT):

This product is classified as a flammable liquid under U.S. DOT regulations. Consult DOT regulations for specific shipping requirements.

12.2 INTERNATIONAL TRANSPORTATION REGULATIONS: This product is classified as a flammable liquid under international transportation regulations. Consult international regulations for specific shipping requirements.

DESCRIPTION OF THE PROPERTY OF

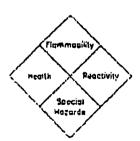
This product is a U.S. EPA registered pesticide (EPA Reg. No. 1117-48). Waste 13.1 FEDERAL REGULATIONS:

product is classified as a hazardous waste under U.S. EPA RCRA regulations.

13.2 STATE REGULATIONS: NA

WHITH THE STATE OF THE STATE OF

HAZARD RATINGS 14.1



NFPA*: Health - 1 Flammability - 2 Reactivity - 0 Special Hazards - NA

Health Filitimobility **Resultity** Personal Protection

HMIS: Health - 1 Flammability - 2 Reactivity -0 Personal Protection - NA

* A hazard rating has not been developed by NFPA for this product. NFPA-derived rating is based on NFPA hazard evaluation criteria.

14.2 PREPARATION AND REVISION INFORMATION

Fort Dodge Laboratories, Department of Safety

The information and recommendations presented in this MSDS are based on sources believed to be accurate. However, Fort Dodge Laboratories, the Divisions and/or Subdidiaries assumes no liability for the accuracy, complements or suitability of this information. It is the product user's responsibility to determine the suitability of the information for their personler purposes.

The hazard rulings included in this MSDS have been developed based on NFPA and HMIS criteria as well as professional judgement. This information is intended so lely for the use of individuals trained in these hezard rating systems.

This groduct chould only be used by, or under the supervision of, a person trained and qualified to administer the product. Please refer to the package Insert for Indications or contraindications for use, and for desage information.

Obtained by Global Safety Management, www.globalmsdslibrary.com, (877) 683-7469st Page



MATERIAL SAFETY DATA SHEET

Product Id:

RM1000398

Revision Date: 5/9/2005

005 Print Date:

07/26/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code:

RM1000398

Product Name:

Nolvasan S

Supplier:

Fort Dodge Animal Health

800 5th Street NW

PO Box 518

Fort Dodge, IA 50501

General Information No.: (515) 955-4600 Emergency Telephone No.: (515) 955-6033

Emergency Telephone Number:

(800) 424-9300

General Telephone Number:

(515) 955-4600

Prepared By:

Environmental, Health + Safety

2. COMPOSITION/INFORMATION ON INGREDIENTS								
Components	Weight %	ACGIH TWA:	CAS-No.	Wyeth OEG:	Units for TWAs, STELs, ACGIH, OSHA:			
Inert Ingredients 0000-00-0	90.1	NA	Various	NA	mg/m3			
Isopropyl Alcohol 67-63-0	7.9	400 ppm	67-63-0	Not Established	mg/m3			
Chlorhexidine Acetate 56-95-1	2	None	56-95-1	Not Established	mg/m3			

3. HAZARDS IDENTIFICATION

Inhalation:

None

Skin Contact:

None known

Ingestion:

Harmful if swallowed.

Product Id:

RM1000398

Product Name:

Nolvasan S

Page 1 of 6

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have

eyes examined by a doctor immediately.

4. FIRST AID MEASURES

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a

doctor immediately.

Skin Contact:

Flush skin with plenty of soap and water for at least 15 minutes. Remove all contaminated

clothing and shoes. Get medical attention if symptoms persist.

Inhalation:

No specific treatment, treat symptomatically. If breathing is difficult, give oxygen. If respiratory arrest occurs provide artificial respiration and seek immediate medical

assistance.

Ingestion:

No specific treatment, treat symptomatically. Call medical doctor or poison control center

immediately if large quantities are ingested.

Aggravated Conditions:

None known.

Notes to Physician:

Direct treatment at control of symptoms.

FIRE FIGHTING MEASURES

Extinguishing Media and Fire Fighting

Instructions:

Follow your company's procedures. Use an extinguishing agent suitable for the surrounding class of fire.

Special Hazards:

None. Dispose of fire debris and contaminated fire fighting water in accordance

with regulations.

Personal Protective Equipment:

Wear self-contained positive pressure breathing apparatus and full firefighting

protective clothing.

ACCIDENTAL RELEASE MEASURES 6.

Methods For Cleaning Up:

Follow your company's spill procedures. Keep people out of area. Put on

appropriate personal protective equipment (See Section 8). Use a tool to scoop

up and put into appropriate labeled waste container.

Personal Precautions:

Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions:

No special measures are typically indicated.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions:

No special technical measures required when product is used as directed on

label or package insert.

Product Id:

RM1000398

Product Name:

Nolvasan S

Page 2 of 6

Safe Handling Advice:

Avoid contact with eyes, skin, and clothing. Avoid generating or breathing product

aerosol. Wash after handling.

Storage

Technical Measures/Storage

Conditions:

Store tightly closed in original container. Keep containers in a well ventilated,

secure location.

Incompatible Products:

No special restrictions on storage with other products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

General ventilation is typically sufficient to keep airborne levels below established values when product is used as directed on label or on package insert. Provide eye wash and quick drench shower close to work station. Clean, appropriately launder, or dispose of all potentially contaminated work clothing, foot wear, and protective equipment after use.

Personal Protective Equipment

Respiratory Protection:

Respirator selection must be based on anticipated exposure levels, product hazards, and the safe working limits of the selected respirator. A respirator is not needed under normal and intended conditions of product use. If the product is to be used to aerosol fogging, persons entering the room should use a NIOSH approved respirator fitted with pesticide cartridges with a protection factor suitable for the exposure levels involved.

Hand Protection:

gloves. Chemical resistant.

Skin and Body Protection:

Lab coat.

Eye Protection:

safety glasses, goggles, face-shield or other full-face protection where potential

exists for direct exposure to aerosols or splashes.

Hygiene Measures:

Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:

clear blue

Odor:

No information available

pH;

Density:

Not available.

Boiling Point/Range:

Not applicable

Melting Point/Range:

May start to soldify at -86 deg. C (-122.8 deg. F) based on data for isopropanol.

0.98

Vapor Density:

Weighted average: 2.07 (Air=1)

Physical State:

LIQUID

Vapor Pressure:

33 mmHg (@22 deg. C)

Viscosity

Not applicable

Partition Coefficient:

Not applicable Easily soluble in cold water, hot water.

Solubility:

None known

Product Id:

Solubility in Other Solvents:

RM1000398

Product Name:

Nolvasan S

Page 3 of 6

Flash Point: Explosion limits Open Cup: 39.722 deg C (103.5 deg F)

upperlower

no data available no data available Not applicable

Autoignition Temperature: Decomposition Temperature:

Not applicable

Dust Explosivity

Not applicable.

10. STABILITY AND REACTIVITY

Stability:

no data available

Conditions to Avoid:

Extremely reactive or incompatible with oxidizing agents. reactive with acids,

alkalis,

Materials to Avoid:

no data available

Polymerization:

no data available

Hazardous Decomposition Products:

carbon oxides (CO, CO2) nitrogen oxides (NO, NO2) halogenated compounds.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

LC50/inhalation/rat =

not determined

Principle Routes of Exposure:

Kidney. Central nervous system.

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have

eyes examined by a doctor immediately.

Skin Contact:

Harmful in contact with skin.

Ingestion:

Harmful if swallowed.

Inhalation:

Moderately irritating to the respiratory system. (USA) Irritant (EU) Moderately

toxic via inhalation.

Chronic Toxicity:

Target Organs

Kidneys. Central Nervous System (CNS).

Specific Effects:

nausea headache Respiratory tract irritation. allergic reaction.

Sensitization:

May cause allergic reactions in persons sensitive to chlorhexidine.

Carcinogenic Effects:

Classified 3 (not classifiable for human) by IARC

Mutagenic Effects:

Not mutagenic in a standard battery of genetic toxicological tests.

Product Id:

RM1000398

Product Name:

Nolvasan S

Page 4 of 6

Teratogenic Effects:

No known human teratogenic effect.

ReproductiveToxicity:

No evidence of human reproductive effects.

Aggravated Conditions:

None known.

12. ECOLOGICAL INFORMATION

Environmental Fate:

Not available.

Environmental Hazards:

No known significant effects or critical hazards.

Ecotoxicity Effects:

No hazardous ingredients

Aquatic Toxicity:

No hazardous ingredients

Mobility:

no data available

Bioaccumulation:

no data available

Environmental Precautions:

No special measures are typically indicated.

13. DISPOSAL CONSIDERATIONS

Waste/Unused Products:

Avoid disposal, make attempts to use product completely in accordance with

intended use. Incinerate unwanted products and waste materials.

Contaminated Packaging:

Not applicable

14. TRANSPORT INFORMATION

DOT

UN/ID Number:

Not controlled.

Proper Shipping Name:

Not controlled.

Hazard Class:

Not controlled.

Packing Group:

Not controlled.

DOT Reportable Quantity (lbs):

Not controlled.

Marine Pollutant:

Not controlled

15. REGULATORY INFORMATION

Indication of Danger:

Not controlled

Other Regulations:

Not controlled

Product Id:

RM1000398

Product Name:

Noivasan S

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16. OTHER INFORMATION

Additional Advice:

Use this product only in accordance with the directions provided on the product label or the package insert.

The information provided in this MSDS is based on current knowledge. However, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package insert precautions and this information. All materials may present unknown hazards and should be used with caution.

*** End of Safety Data Sheet ***

Product Id:

RM1000398

Product Name:

Nolvasan S

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Revision date: 13-Aug-2015 Version: 2.7 Page 1 of 8

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

Product Identifier

Material Name: Nolvasan Solution

NOLVASAN® Trade Name: Chemical Family: Mixture

Registration Number: EPA Reg. No. 1007-99

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Intended Use: Veterinary product used as disinfectant

Restrictions on Use: Not for human use

Details of the Supplier of the Safety Data Sheet

Zoetis Belgium S.A. Zoetis Inc. 100 Campus Drive, P.O. Box 651 Mercuriusstraat 20 Florham Park, New Jersey 07932 (USA) 1930 Zaventem Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896 **Belgium**

Product Support/Technical Services Phone: 1-800-366-5288

Emergency telephone number: **Emergency telephone number:**

CHEMTREC (24 hours): 1-800-424-9300 International CHEMTREC (24 hours): +1-703-527-3887

VMIPSrecords@zoetis.com Contact E-Mail:

2. HAZARDS IDENTIFICATION

Appearance: Clear blue liquid

Classification of the Substance or Mixture

GHS - Classification

Acute Toxicity - Dusts and Mists: Category 4

Acute aquatic toxicity: Category 2 Chronic aquatic toxicity: Category 2

Label Elements

Signal Word: Warning

Hazard Statements: H332 - Harmful if inhaled

H411 - Toxic to aquatic life with long lasting effects

P271 - Use only outdoors or in a well-ventilated area **Precautionary Statements:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing

P312 - Call a POISON CENTRE/doctor/physician if you feel unwell

P391 - Collect spillage

P501 - Dispose of contents/container in accordance with all local and national regulations

Material Name: Nolvasan Solution Page 2 of 8
Revision date: 13-Aug-2015 Version: 2.7



Other Hazards Short Term:

May cause eye irritation . Signs and symptoms might include redness, swelling, blurred vision or pain. May cause slight skin irritation. (based on components) May cause mucous membrane and respiratory tract irritation. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions.

Hazardous Substance. Non-Dangerous Goods.

Australian Hazard Classification (NOHSC):

Note:

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	GHS Classification	%
Chlorhexidine acetate	56-95-1	200-302-4	Acute Tox. 4 (H302) Acute Tox.2(H330) Eye Irrit.2A (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	2

Additional Information:

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

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

4. FIRST AID MEASURES

Description of First Aid Measures

Eye Contact: If irritation occurs or persists, get medical attention. Flush eyes with water for at least 15

minutes.

Skin Contact: Remove contaminated clothing and wash exposed area with soap and water. Obtain medical

assistance if irritation occurs.

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.

. .

Material Name: Nolvasan Solution Page 3 of 8
Revision date: 13-Aug-2015 Version: 2.7

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of For information on potential signs and symptoms of exposure, See Section 2 - Hazards

Exposure: Identification and/or Section 11 - Toxicological Information.

Medical Conditions None known

Aggravated by Exposure:

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, foam, or water.

Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Formation of toxic gases is possible during heating or fire. May include oxides of carbon

Products: nitrogen and products of chlorine .

Fire / Explosion Hazards: 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 / Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill

Collecting: area thoroughly.

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.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. 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

Storage Conditions: Store as directed by product packaging.

Incompatible Materials: Acids and bases, As a precautionary measure, keep away from strong oxidizers

Specific end use(s): No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Material Name: Nolvasan Solution Page 4 of 8
Revision date: 13-Aug-2015 Version: 2.7

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No Occupational Exposure Limit (OEL) or Short Term Exposure Limit (STEL) has been identified.

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Chlorhexidine acetate

Zoetis OEB OEB 4 (control exposure to the range of 1ug/m³ to <10ug/m³)

Exposure Controls

Engineering Controls: Engineering controls should be used as the primary means to control exposures. Keep

airborne contamination levels within the OEB range. General room ventilation is adequate

unless the process generates dust, mist or fumes.

Personal Protective

Equipment:

Refer to applicable national standards and regulations in the selection and use of personal

protective equipment (PPE).

Hands: Impervious gloves are recommended if skin contact with drug product is possible and for bulk

processing operations.

Eyes: Wear safety glasses or goggles if eye contact is possible.

Skin: Impervious protective clothing is recommended if skin contact with drug product is possible and

for bulk processing operations.

Respiratory protection: Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is

recommended as a precaution to minimize exposure. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a

protection factor sufficient to control exposures to the bottom of the OEB range.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid Color: Blue

Odor: Pleasant Odor Threshold: No data available.

Molecular Formula: Mixture Molecular Weight: Mixture

Solvent Solubility: No data available

Water Solubility: Soluble

pH: No data available.

Melting/Freezing Point (°C): No data available
Boiling Point (°C): No data available.

Partition Coefficient: (Method, pH, Endpoint, Value)

No data available

Decomposition Temperature (°C): No data available.

Evaporation Rate (Gram/s): No data available Vapor Pressure (kPa): No data available

Vapor Density (g/ml): 1.01

Relative Density:

Viscosity:

No data available

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
No data available

Material Name: Nolvasan Solution Page 5 of 8
Revision date: 13-Aug-2015 Version: 2.7

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable under normal conditions of use.

Possibility of Hazardous Reactions

Oxidizing Properties: No data available

Conditions to Avoid: Fine particles (such as dust and mists) may fuel fires/explosions.

Incompatible Materials: Acids and bases, As a precautionary measure, keep away from strong oxidizers

Hazardous Decomposition Toxic fumes of carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen chloride and

Hazardous Decomposition
Products:

Toxic fumes of carbon monoxide, carbon dioxide, oxide other chlorine-containing compounds may be emitted.

11. TOXICOLOGICAL INFORMATION

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

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

Chlorhexidine acetate

Mouse Oral LD 50 2000 mg/kg

Rat Oral LD 50 (F) 1180 / (M) 1710 mg/kg Rat Inhalation LC 50 0.10 - 0.46 mg/L Rabbit Dermal LD 50 > 2000 mg/kg

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

May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation.

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

Chlorhexidine acetate

Skin Irritation Rabbit Mild Eye Irritation Rabbit Severe

Skin Sensitization - GPMT Guinea Pig Negative

Irritation / Sensitization Comments: May cause eye irritation based on components.

Skin Irritation / Sensitization May cause mild skin irritation. based on components.

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

Chlorhexidine acetate

13 Week(s) Rabbit Dermal 500 mg/kg/day LOAEL Liver, Skin

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

Chlorhexidine acetate

ZT00053

Embryo / Fetal Development Rat Oral 31.25 mg/kg/day LOEL Maternal toxicity

Embryo / Fetal Development Rat Oral 62.5 mg/kg/day NOEL No effects at maximum dose

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

Material Name: Nolvasan Solution Page 6 of 8
Revision date: 13-Aug-2015 Version: 2.7

11. TOXICOLOGICAL INFORMATION

Chlorhexidine acetate

Mammalian Cell Mutagenicity Mouse Lymphoma Negative

In Vitro Cytogenetics Chinese Hamster Ovary (CHO) cells Negative

In Vivo Micronucleus Rat Hepatocyte Negative

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

Product Level Toxicity Data

Inhalation ATE (Acute Toxicity

Estimate), calculated
Oral ATE (Acute Toxicity
Estimate), calculated

5 mg/l (dusts/mists)

>5000 mg/kg

12. ECOLOGICAL INFORMATION

Environmental Overview: Environmental properties of the formulation have not been investigated. The following

information is available for the individual ingredients. Releases to the environment should be

avoided.

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Chlorhexidine acetate

Oncorhynchus mykiss (Rainbow Trout) NA LC50 96 Hours 1.9 ppm Lepomis macrochirus (Bluegill Sunfish) N/A LC50 96 Hours 0.6 ppm

Daphnia Magna (Water Flea) N/A EC50 N/A 0.06 mg/L

Terrestrial Toxicity: (Species, Method, End Point, Duration, Result)

Chlorhexidine acetate

Colinus virginianus (Bobwhite Quail) N/A LD50 N/A 2013 mg/kg

Persistence and Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

Material Name: Nolvasan Solution Page 7 of 8
Revision date: 13-Aug-2015 Version: 2.7

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

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

As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375.

UN number: UN 3082

UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (chlorhexidine acetate)

Transport hazard class(es): 9
Packing group: III

Environmental Hazard(s): Marine Pollutant

Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

DOT / ANTT: Not regulated for transportation

15. REGULATORY INFORMATION

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

Canada - WHMIS: Classifications

WHMIS hazard class:

Non-controlled

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.

Chlorhexidine acetate

Material Name: Nolvasan Solution Page 8 of 8 Revision date: 13-Aug-2015 Version: 2.7

15. REGULATORY INFORMATION

CERCLA/SARA 313 Emission reporting Not Listed **California Proposition 65** Not Listed Australia (AICS): Present **EU EINECS/ELINCS List** 200-302-4

16. OTHER INFORMATION

Text of CLP/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

Data Sources: The data contained in this SDS may have been gathered from confidential internal sources,

raw material suppliers, or from the published literature.

Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Reasons for Revision:

Ingredients. Updated Section 11 - Toxicology Information. Updated Section 14 - Transport

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



Revision date: 13-Aug-2015 Version: 2.7 Page 1 of 8

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

Product Identifier

Material Name: Nolvasan Solution

NOLVASAN® Trade Name: Chemical Family: Mixture

Registration Number: EPA Reg. No. 1007-99

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Intended Use: Veterinary product used as disinfectant

Restrictions on Use: Not for human use

Details of the Supplier of the Safety Data Sheet

Zoetis Belgium S.A. Zoetis Inc. 100 Campus Drive, P.O. Box 651 Mercuriusstraat 20 Florham Park, New Jersey 07932 (USA) 1930 Zaventem Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896 **Belgium**

Product Support/Technical Services Phone: 1-800-366-5288

Emergency telephone number: **Emergency telephone number:**

CHEMTREC (24 hours): 1-800-424-9300 International CHEMTREC (24 hours): +1-703-527-3887

VMIPSrecords@zoetis.com Contact E-Mail:

2. HAZARDS IDENTIFICATION

Appearance: Clear blue liquid

Classification of the Substance or Mixture

GHS - Classification

Acute Toxicity - Dusts and Mists: Category 4

Acute aquatic toxicity: Category 2 Chronic aquatic toxicity: Category 2

Label Elements

Signal Word: Warning

Hazard Statements: H332 - Harmful if inhaled

H411 - Toxic to aquatic life with long lasting effects

P271 - Use only outdoors or in a well-ventilated area **Precautionary Statements:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing

P312 - Call a POISON CENTRE/doctor/physician if you feel unwell

P391 - Collect spillage

P501 - Dispose of contents/container in accordance with all local and national regulations

Material Name: Nolvasan Solution Page 2 of 8
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Other Hazards Short Term:

May cause eye irritation . Signs and symptoms might include redness, swelling, blurred vision or pain. May cause slight skin irritation. (based on components) May cause mucous membrane and respiratory tract irritation. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions.

Hazardous Substance. Non-Dangerous Goods.

Australian Hazard Classification (NOHSC):

Note:

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	GHS Classification	%
Chlorhexidine acetate	56-95-1	200-302-4	Acute Tox. 4 (H302) Acute Tox.2(H330) Eye Irrit.2A (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	2

Additional Information:

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

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

4. FIRST AID MEASURES

Description of First Aid Measures

Eye Contact: If irritation occurs or persists, get medical attention. Flush eyes with water for at least 15

minutes.

Skin Contact: Remove contaminated clothing and wash exposed area with soap and water. Obtain medical

assistance if irritation occurs.

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.

Material Name: Nolvasan Solution Page 3 of 8 Revision date: 13-Aug-2015 Version: 2.7

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of For information on potential signs and symptoms of exposure, See Section 2 - Hazards

Identification and/or Section 11 - Toxicological Information. **Exposure:**

Medical Conditions None known

Aggravated by Exposure:

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, foam, or water.

Special Hazards Arising from the Substance or Mixture

Formation of toxic gases is possible during heating or fire. May include oxides of carbon **Hazardous Combustion**

nitrogen and products of chlorine. Products:

Fire / Explosion Hazards: 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 / Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill

Collecting: area thoroughly.

Additional Consideration for Non-essential personnel should be evacuated from affected area. Report emergency

situations immediately. Clean up operations should only be undertaken by trained personnel. Large Spills:

7. HANDLING AND STORAGE

Precautions for Safe Handling

Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. 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

Storage Conditions: Store as directed by product packaging.

Incompatible Materials: Acids and bases, As a precautionary measure, keep away from strong oxidizers

Specific end use(s): No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Material Name: Nolvasan Solution Page 4 of 8
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No Occupational Exposure Limit (OEL) or Short Term Exposure Limit (STEL) has been identified.

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Chlorhexidine acetate

Zoetis OEB OEB 4 (control exposure to the range of 1ug/m³ to <10ug/m³)

Exposure Controls

Engineering Controls: Engineering controls should be used as the primary means to control exposures. Keep

airborne contamination levels within the OEB range. General room ventilation is adequate

unless the process generates dust, mist or fumes.

Personal Protective

Equipment:

Refer to applicable national standards and regulations in the selection and use of personal

protective equipment (PPE).

Hands: Impervious gloves are recommended if skin contact with drug product is possible and for bulk

processing operations.

Eyes: Wear safety glasses or goggles if eye contact is possible.

Skin: Impervious protective clothing is recommended if skin contact with drug product is possible and

for bulk processing operations.

Respiratory protection: Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is

recommended as a precaution to minimize exposure. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a

protection factor sufficient to control exposures to the bottom of the OEB range.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid Color: Blue

Odor: Pleasant Odor Threshold: No data available.

Molecular Formula: Mixture Molecular Weight: Mixture

Solvent Solubility: No data available

Water Solubility: Soluble

pH: No data available.

Melting/Freezing Point (°C): No data available
Boiling Point (°C): No data available.

Partition Coefficient: (Method, pH, Endpoint, Value)

No data available

Decomposition Temperature (°C): No data available.

Evaporation Rate (Gram/s): No data available Vapor Pressure (kPa): No data available

Vapor Density (g/ml): 1.01

Relative Density:

Viscosity:

No data available

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
No data available

Material Name: Nolvasan Solution Page 5 of 8
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10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable under normal conditions of use.

Possibility of Hazardous Reactions

Oxidizing Properties: No data available

Conditions to Avoid: Fine particles (such as dust and mists) may fuel fires/explosions.

Incompatible Materials: Acids and bases, As a precautionary measure, keep away from strong oxidizers

Hazardous Decomposition Toxic fumes of carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen chloride and

Hazardous Decomposition
Products:

Toxic fumes of carbon monoxide, carbon dioxide, oxide other chlorine-containing compounds may be emitted.

11. TOXICOLOGICAL INFORMATION

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

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

Chlorhexidine acetate

Mouse Oral LD 50 2000 mg/kg

Rat Oral LD 50 (F) 1180 / (M) 1710 mg/kg Rat Inhalation LC 50 0.10 - 0.46 mg/L Rabbit Dermal LD 50 > 2000 mg/kg

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

May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation.

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

Chlorhexidine acetate

Skin Irritation Rabbit Mild Eye Irritation Rabbit Severe

Skin Sensitization - GPMT Guinea Pig Negative

Irritation / Sensitization Comments: May cause eye irritation based on components.

Skin Irritation / Sensitization May cause mild skin irritation. based on components.

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

Chlorhexidine acetate

13 Week(s) Rabbit Dermal 500 mg/kg/day LOAEL Liver, Skin

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

Chlorhexidine acetate

ZT00053

Embryo / Fetal Development Rat Oral 31.25 mg/kg/day LOEL Maternal toxicity

Embryo / Fetal Development Rat Oral 62.5 mg/kg/day NOEL No effects at maximum dose

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

Material Name: Nolvasan Solution Page 6 of 8
Revision date: 13-Aug-2015 Version: 2.7

11. TOXICOLOGICAL INFORMATION

Chlorhexidine acetate

Mammalian Cell Mutagenicity Mouse Lymphoma Negative

In Vitro Cytogenetics Chinese Hamster Ovary (CHO) cells Negative

In Vivo Micronucleus Rat Hepatocyte Negative

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

Product Level Toxicity Data

Inhalation ATE (Acute Toxicity

Estimate), calculated
Oral ATE (Acute Toxicity
Estimate), calculated

>5000 mg/kg

5 mg/l (dusts/mists)

12. ECOLOGICAL INFORMATION

Environmental Overview: Environmental properties of the formulation have not been investigated. The following

information is available for the individual ingredients. Releases to the environment should be

avoided.

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Chlorhexidine acetate

Oncorhynchus mykiss (Rainbow Trout) NA LC50 96 Hours 1.9 ppm Lepomis macrochirus (Bluegill Sunfish) N/A LC50 96 Hours 0.6 ppm

Daphnia Magna (Water Flea) N/A EC50 N/A 0.06 mg/L

Terrestrial Toxicity: (Species, Method, End Point, Duration, Result)

Chlorhexidine acetate

Colinus virginianus (Bobwhite Quail) N/A LD50 N/A 2013 mg/kg

Persistence and Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

Material Name: Nolvasan Solution Page 7 of 8
Revision date: 13-Aug-2015 Version: 2.7

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

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

As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375.

UN number: UN 3082

UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (chlorhexidine acetate)

Transport hazard class(es): 9
Packing group: |||

Environmental Hazard(s): Marine Pollutant

Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

DOT / ANTT: Not regulated for transportation

15. REGULATORY INFORMATION

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

Canada - WHMIS: Classifications

WHMIS hazard class:

Non-controlled

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.

Chlorhexidine acetate

Material Name: Nolvasan Solution Page 8 of 8 Revision date: 13-Aug-2015 Version: 2.7

15. REGULATORY INFORMATION

CERCLA/SARA 313 Emission reporting Not Listed **California Proposition 65** Not Listed Australia (AICS): Present **EU EINECS/ELINCS List** 200-302-4

16. OTHER INFORMATION

Text of CLP/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

Data Sources: The data contained in this SDS may have been gathered from confidential internal sources,

raw material suppliers, or from the published literature.

Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Reasons for Revision:

Ingredients. Updated Section 11 - Toxicology Information. Updated Section 14 - Transport

Information.

Prepared by: Toxicology and Hazard Communication

Zoetis Global Risk Management

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End of Safety Data Sheet