

SAFETY DATA SHEET



Revision date: 13-Aug-2015

Version: 2.7

Page 1 of 11

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

Product Identifier

Material Name: Nolvasan S

Trade Name: NOLVASAN®
Synonyms: Nolvasan S Solution
Chemical Family: Mixture
Registration Number: EPA Reg. No. 1007-100

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

Zoetis Belgium S.A.
Mercuriusstraat 20
1930 Zaventem
Belgium

Emergency telephone number:
CHEMTREC (24 hours): 1-800-424-9300
Contact E-Mail: VMIPSrecords@zoetis.com

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

Acute Toxicity - Dusts and Mists: Category 4
Serious Eye Damage/Eye Irritation: Category 2A
Acute aquatic toxicity: Category 2
Chronic aquatic toxicity: Category 2
Flammable liquids- Category 3

Label Elements

Signal Word: Warning
Hazard Statements: H226 - Flammable liquid and vapor
H332 - Harmful if inhaled
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects

SAFETY DATA SHEET

Material Name: **Nolvasan S**
Revision date: 13-Aug-2015

Page 2 of 11
Version: 2.7

Precautionary Statements:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- 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
- P233 - Keep container tightly closed
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P271 - Use only outdoors or in a well-ventilated area
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 - Wash hands thoroughly after handling
- P273 - Avoid release to the environment
- P312 - Call a POISON CENTRE/doctor/physician if you feel unwell
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337 + P313 - If eye irritation persists: Get medical advice/attention
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P391 - Collect spillage
- 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:

Can cause eye irritation . Signs and symptoms might include redness, swelling, blurred vision or pain. May cause slight skin irritation. Signs and symptoms might include skin rash, itching, redness or swelling. May cause respiratory tract irritation. Vapors may cause drowsiness and dizziness. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions.

Long Term:

Australian Hazard Classification (NOHSC):

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

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	%

SAFETY DATA SHEET

Material Name: **Nolvasan S**
Revision date: 13-Aug-2015

Page 3 of 11
Version: 2.7

3. COMPOSITION/INFORMATION ON INGREDIENTS

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
Isopropyl alcohol	67-63-0	200-661-7	STOT SE 3 (H336) Flam. Liq. 2 (H225) Eye Irrit. 2A (H319)	ca. 8

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:** 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 Effects, Both Acute and Delayed

- Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.
- Medical Conditions Aggravated by Exposure:** 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 Substance or Mixture

- Hazardous Combustion Products:** 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. Use spark-proof tools and explosion-proof equipment

SAFETY DATA SHEET

Material Name: Nolvasan S
Revision date: 13-Aug-2015

Page 4 of 11
Version: 2.7

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Eliminate all sources of ignition and ventilate area using explosion-proof equipment. 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. Prevent discharge to drains.

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 and shut off all electrical equipment 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. Prevent discharge to drains. Prevent runoff from entering waterways or sewers.

7. HANDLING AND STORAGE

Precautions for Safe Handling

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

Storage Conditions: Keep in a cool, well-ventilated place. Keep away from heat, sparks, flame, and other sources of ignition. Store away from direct sunlight.

Incompatible Materials: Acids, bases, and oxidizers

Specific end use(s): 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 (STEL)	400 ppm
ACGIH - Biological Exposure Limit:	40 mg/L
Australia STEL	500 ppm
	1230 mg/m ³
Australia TWA	400 ppm
	983 mg/m ³

SAFETY DATA SHEET

Material Name: Nolvasan S
Revision date: 13-Aug-2015

Page 5 of 11
Version: 2.7

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Austria OEL - MAKs	200 ppm 500 mg/m ³
Belgium OEL - TWA	200 ppm 500 mg/m ³
Bulgaria OEL - TWA	980.0 mg/m ³
Czech Republic OEL - TWA	500 mg/m ³
Denmark OEL - TWA	200 ppm 490 mg/m ³
Estonia OEL - TWA	150 ppm 350 mg/m ³
Finland OEL - TWA	200 ppm 500 mg/m ³
Germany - TRGS 900 - TWAs	200 ppm 500 mg/m ³
Germany (DFG) - MAK	200 ppm 500 mg/m ³
Germany - Biological Exposure Limit:	25 mg/L
Greece OEL - TWA	400 ppm 980 mg/m ³
Hungary OEL - TWA	500 mg/m ³
Ireland OEL - TWAs	200 ppm
Japan - OELs - Ceilings	400 ppm 980 mg/m ³
Latvia OEL - TWA	350 mg/m ³
Lithuania OEL - TWA	150 ppm 350 mg/m ³
OSHA - Final PELs - TWAs:	400 ppm 980 mg/m ³
Poland OEL - TWA	900 mg/m ³
Portugal OEL - TWA	200 ppm
Romania OEL - TWA	81 ppm 200 mg/m ³
Romania - Biological Exposure Limit:	50 mg/L
Slovakia OEL - TWA	200 ppm 500 mg/m ³
Slovenia OEL - TWA	200 ppm 500 mg/m ³
Spain OEL - TWA	200 ppm 500 mg/m ³
Spain - Biological Exposure Limit:	40 mg/L
Sweden OEL - TWAs	150 ppm 350 mg/m ³
Switzerland OEL -TWAs	200 ppm 500 mg/m ³

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

SAFETY DATA SHEET

Material Name: Nolvasan S
Revision date: 13-Aug-2015

Page 6 of 11
Version: 2.7

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Engineering controls should be used as the primary means to control exposures. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section.
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. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	Blue
Odor:	No data available.	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):	4.4 kPa / 33 mm Hg at 22C		
Vapor Density (g/ml):	2.07		
Relative Density:	0.98		
Viscosity:	No data available		
Flammability:			
Autoignition Temperature (Solid) (°C):	No data available		
Flammability (Solids):	No data available		
Flash Point (Liquid) (°C):	39.7°C / 103.5°F		
Upper Explosive Limits (Liquid) (% by Vol.):	No data available		
Lower Explosive Limits (Liquid) (% by Vol.):	No data available		

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

SAFETY DATA SHEET

Material Name: Nolvasan S
Revision date: 13-Aug-2015

Page 7 of 11
Version: 2.7

10. STABILITY AND REACTIVITY

Conditions to Avoid: 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.

Incompatible Materials: Acids, bases, and oxidizers

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

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

Isopropyl alcohol

Rat Oral LD50 > 2000 mg/kg
Mouse Oral LD50 3600 mg/kg
Rat Inhalation LC50-8h 16,000 ppm
Rabbit Dermal LD50 12800 mg/kg
Rat Inhalation LC50 30mg/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 May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation. 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)

Chlorhexidine acetate

Skin Irritation Rabbit Mild
Eye Irritation Rabbit Severe
Skin Sensitization - GPMT Guinea Pig Negative

Isopropyl alcohol

Eye Irritation Rabbit Severe
Skin Irritation Rabbit Mild

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

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

Chlorhexidine acetate

SAFETY DATA SHEET

Material Name: **Nolvasan S**
Revision date: 13-Aug-2015

Page 8 of 11
Version: 2.7

11. TOXICOLOGICAL INFORMATION

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

Isopropyl alcohol

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

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

Chlorhexidine acetate

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

Isopropyl alcohol

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

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

Chlorhexidine acetate

Mammalian Cell Mutagenicity Mouse Lymphoma Negative
In Vitro Cytogenetics Chinese Hamster Ovary (CHO) cells Negative
In Vivo Micronucleus Rat Hepatocyte Negative

Isopropyl alcohol

Bacterial Mutagenicity (Ames) *Salmonella* Negative
Mammalian Cell Mutagenicity HGPRT Chinese Hamster Ovary (CHO) cells Negative
In Vitro Sister Chromatid Exchange Negative

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)

Product Level Toxicity Data

Inhalation ATE (Acute Toxicity Estimate), calculated 5 mg/l (dusts/mists)
Oral ATE (Acute Toxicity Estimate), calculated >5000 mg/kg

SAFETY DATA SHEET

Material Name: Nolvasan S
Revision date: 13-Aug-2015

Page 9 of 11
Version: 2.7

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

<i>Oncorhynchus mykiss</i> (Rainbow Trout)	NA	LC50	96 Hours	1.9 ppm
<i>Lepomis macrochirus</i> (Bluegill Sunfish)	N/A	LC50	96 Hours	0.6 ppm
<i>Daphnia Magna</i> (Water Flea)	N/A	EC50	N/A	0.06 mg/L

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

Chlorhexidine acetate

<i>Colinus virginianus</i> (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

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.

UN number:	UN 1993
UN proper shipping name:	Flammable liquid, n.o.s. (contains isopropanol)
Transport hazard class(es):	3 (Flammable liquid)
Packing group:	III
Environmental Hazard(s):	Marine Pollutant
Flash Point (°C):	39.7°C / 103.5°F

SAFETY DATA SHEET

Material Name: Nolvasan S
Revision date: 13-Aug-2015

Page 10 of 11
Version: 2.7

Marine pollutant requirements apply only to quantities >5 Liters for liquids / >5 Kilograms for solids (per inner package) when shipped as per IMDG or ADR (effective year 2015 or greater) regulations.

IATA / ICAO

IATA UN / ID No: UN 1993
IATA Proper shipping name: Flammable Liquid, n.o.s. (contains isopropanol)
IATA Hazard Class: 3
IATA Packing Group: III

IMDG IMDG

IMDG UN / ID No: UN 1993
IMDG Proper shipping name: Flammable Liquid, n.o.s.
IMDG Technical Shipping Name: Flammable liquid, n.o.s. (contains isopropanol)
IMDG Hazard Class: 3
IMDG Packing Group: III
Flash Point (°C): 39.7°C / 103.5°F
Environmental Hazard(s): Marine Pollutant

ADR/RID

ADR / RID UN / ID No: UN 1993
ADR/RID Proper shipping name: Flammable Liquid, n.o.s.
ADR / RID Hazard Class: 3
ADR / RID Packing Group: III
ADR / RID Item Number: UN 1993
Environmental Hazard(s): Marine Pollutant

DOT

DOT Proper shipping name: Not regulated

15. REGULATORY INFORMATION

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

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.



Chlorhexidine acetate

CERCLA/SARA 313 Emission reporting
California Proposition 65

Not Listed
Not Listed

SAFETY DATA SHEET

Material Name: **Nolvasan S**
Revision date: 13-Aug-2015

Page 11 of 11
Version: 2.7

15. REGULATORY INFORMATION

Australia (AICS):	Present
EU EINECS/ELINCS List	200-302-4

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

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
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

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 11 - Toxicology Information. Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. 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