



Process NPD® st One-Step Germicidal Detergent

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/30/2017

Version: 1.0

SECTION 1: Identification

1.1. Product Identifier

Product Form : Mixture
Product Name : Process NPD® st One-Step Germicidal Detergent
Product Code : 1605

1.2. Intended Use of the Product

Use of the substance/mixture : Germicide, Fungicide, Virucide, Detergent, Deodorizer, Concentrate.
For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company
STERIS Corporation
P. O. Box 147, St. Louis, MO 63166, US
Telephone Number for Information: 1-800-444-9009 (Customer Service - Scientific Products)
US Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
web: www.steris.com
email: asksteris_msds@steris.com

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Skin Corr. 1B H314
Eye Dam. 1 H318
STOT SE 3 H335
Full text of H-phrases: see section 16

2.2. Label Elements - This label is regulated by the EPA under FIFRA. Refer to Section 15.

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) :

Danger

Hazard Statements (GHS-US) :

H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary Statements (GHS-US) :

P260 - Do not breathe vapors, spray, mist.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P280 - Wear protective clothing, protective gloves, eye protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person 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.
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

2.3. Other Hazards

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. If involved in a fire and thermal decomposition occurs, corrosive, toxic, and acrid vapors may be released.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: Composition/Information On Ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	(CAS No) 68424-95-3	5-10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1	5-10	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318

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Ethanolamine	(CAS No) 141-43-5	5-10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapor), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Ethyl alcohol	(CAS No) 64-17-5	1-5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Nonylphenol ethoxylates	(CAS No) 9016-45-9	0.1-1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

- First-aid Measures General : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
- First-aid Measures After Inhalation : When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid Measures After Skin Contact : Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 60 minutes. Wash immediately with plenty of soap and water. Seek medical attention. Wash contaminated clothing before reuse.
- First-aid Measures After Eye Contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.
- First-aid Measures After Ingestion : Rinse mouth thoroughly with water. Do NOT induce vomiting. Seek medical attention immediately.

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

- Symptoms/Injuries : Causes severe skin burns and eye damage.
- Symptoms/Injuries After Inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
- Symptoms/Injuries After Skin Contact : Causes severe skin burns. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
- Symptoms/Injuries After Eye Contact : Causes serious eye damage. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.
- Symptoms/Injuries After Ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion is likely to be harmful or have adverse effects.
- Chronic Symptoms : None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

- Suitable Extinguishing Media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable Extinguishing Media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

- Fire Hazard : Not considered flammable but may burn at high temperatures.
- Explosion Hazard : Product is not explosive.
- Reactivity : Hazardous reactions are not expected to occur under normal conditions.

5.3. Advice for Firefighters

- Precautionary Measures Fire : Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
- Firefighting Instructions : Keep upwind. Use water spray or fog for cooling exposed containers.
- Protection During Firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.
- Hazardous Combustion Products : Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen (NO_x). Corrosive vapors
- Other information : Do not allow run-off from fire fighting to enter drains or water sources.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

- General Measures : Handle in accordance with good industrial hygiene and safety practice.

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6.1.1. For Non-emergency Personnel

- Protective Equipment : Use appropriate personal protection equipment (PPE).
- Emergency Procedures : Evacuate unnecessary personnel. Keep upwind.

6.1.2. For Emergency Responders

- Protective Equipment : Equip cleanup crew with proper protection.
- Emergency Procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and Material for Containment and Cleaning Up

- For Containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not use combustible absorbents such as: saw dust or cellulosic materials.
- Methods for Cleaning Up : Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry. Ventilate area. Cautiously neutralize spilled liquid.
- Small quantities of liquid spill : Take up in non-combustible absorbent material and shovel into container for disposal. Collect absorbed material and place into a sealed, labeled container for proper disposal. Clean up spills immediately and dispose of waste safely. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered.

6.4. Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

- Additional Hazards When Processed : Handle in accordance with standard industrial practices, and ensure appropriate ventilation. Avoid all contact with skin, eyes, and clothing. Do not release into the environment.
- Hygiene Measures : Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke in areas where product is used.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

- Technical Measures : Observe all regulations and local requirements regarding storage of containers.
- Storage Conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from oxygen and oxidizers. Storage areas should be periodically checked for corrosion and integrity. Detached outside storage is preferable.
- Incompatible Products : Metals. Strong bases. Strong oxidizers. Strong acids. Reducing agents.
- Pesticide Storage** : Store in a secure area away from flammable materials. If frozen, thaw and re-mix before use.

7.3. Specific End Use(s)

Germicide, Fungicide, Virucide, Detergent, Deodorizer, Concentrate. For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Ethanolamine (141-43-5)		
USA ACGIH	ACGIH TWA (ppm)	3 ppm
USA ACGIH	ACGIH STEL (ppm)	6 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	6 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	3 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	8 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	3 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	15 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	6 ppm
USA IDLH	US IDLH (ppm)	30 ppm
Ethyl alcohol (64-17-5)		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1900 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
USA IDLH	US IDLH (ppm)	3300 ppm (10% LEL)

8.2. Exposure Controls

- Appropriate Engineering Controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

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Personal Protective Equipment

: Avoid all unnecessary exposure. Face shield. Protective goggles. Gloves. Protective clothing.
Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

Hand Protection

Eye Protection

Skin and Body Protection

Respiratory Protection

: Chemical resistant suit.
: Impermeable protective gloves.
: A full face shield is recommended. Chemical safety goggles.
: Wear suitable protective clothing. Chemical resistant suit. Rubber apron, boots.
: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
: Avoid release to the environment.
: Do not eat, drink or smoke during use.

Environmental Exposure Controls

Consumer Exposure Controls

SECTION 9: Physical And Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear, light yellow liquid
Odor	: Characteristic
Odor Threshold	: No data available
pH	: 10.6
Evaporation rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: > 200 °F, ASTM 56 (Tag Closed Cup) (>93.33 °C)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.025 g/mL
Solubility	: Complete in water
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available
Explosive Properties	: Product is not explosive.
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

9.2. Other Information

No additional information available

SECTION 10: Stability And Reactivity

10.1 Reactivity:

Hazardous reactions are not expected to occur under normal conditions.

10.2 Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4 Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, incompatible materials.

10.5 Incompatible Materials:

Strong oxidizers. Strong bases. Strong acids. Metals. Reducing agents.

10.6 Hazardous Decomposition Products:

Thermal decomposition generates : Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen (NO_x). Corrosive vapors.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)	
ATE (Oral)	500.00 mg/kg body weight
ATE (Dermal)	1,100.00 mg/kg body weight

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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LD50 Oral Rat	426 mg/kg
Ethanolamine (141-43-5)	
LD50 Oral Rat	1720 mg/kg
LD50 Dermal Rabbit	1025 mg/kg
ATE (Vapors)	11.00 mg/l/4h
Ethyl alcohol (64-17-5)	
LD50 Oral Rat	10470 mg/kg
LD50 Dermal Rat	20 ml/kg
LC50 Inhalation Rat	124.7 mg/l/4h
Nonylphenol ethoxylates (9016-45-9)	
LD50 Oral Rat	1310 mg/kg HSDB
LD50 Dermal Rabbit	1780 ml/kg

Skin Corrosion/Irritation	:	Causes severe skin burns and eye damage. pH: 10.6
Serious Eye Damage/Irritation	:	Causes serious eye damage. pH: 10.6
Respiratory or Skin Sensitization	:	Not classified
Germ Cell Mutagenicity	:	Not classified
Teratogenicity	:	Not classified
Carcinogenicity	:	Not classified

Ethyl alcohol (64-17-5)	
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Diethanolamine (111-42-2)	
IARC group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Reproductive Toxicity	:	Not classified
Specific Target Organ Toxicity (Single Exposure)	:	May cause respiratory irritation.

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Additional information		Ethanolamine CAS (141-43-5) Classified as STOT SE 3 when greater than 5%.
Specific Target Organ Toxicity (Repeated Exposure)	:	Not classified
Aspiration Hazard	:	Not classified
Symptoms/Injuries After Inhalation	:	May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/Injuries After Skin Contact	:	Causes severe skin burns. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact	:	Causes serious eye damage. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.
Symptoms/Injuries After Ingestion	:	May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms	:	None expected under normal conditions of use.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General	:	Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
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Ethanolamine (141-43-5)	
LC50 Fish 1	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
Ethyl alcohol (64-17-5)	
LC50 Fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Nonylphenol ethoxylates (9016-45-9)	
EC50 Daphnia 1	1.821 mg/l

12.2. Persistence and Degradability

Ethyl alcohol (64-17-5)	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Ethanolamine (141-43-5)	
Log Pow	-1.91 (at 25 °C)
Ethyl alcohol (64-17-5)	
Log Pow	-0.32
Bioaccumulative Potential	Not established.

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12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

No additional information available

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

- Pesticide Disposal** : Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
- Container Disposal** : Do not contaminate water, food or feed by storage or disposal.
For packet: Non refillable container. Do not reuse or refill this container. Offer for recycling if available.
For ≤5 gal.: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
For > 5 gal.: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.
- Sewage Disposal Recommendations : Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way.
- Waste Disposal Recommendations : Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: Transport Information

14.1 In Accordance with DOT

- Proper Shipping Name : DISINFECTANTS, LIQUID, CORROSIVE N.O.S.,(QUATERNARY AMMONIUM COMPOUNDS)
Hazard Class : 8
Identification Number : UN1903
Label Codes : 8
- Packing Group : III
ERG Number : 153



14.2 In Accordance with IMDG

- Proper Shipping Name : DISINFECTANTS, LIQUID, CORROSIVE N.O.S.,(QUATERNARY AMMONIUM COMPOUNDS)
Hazard Class : 8
Identification Number : UN1903
Packing Group : III
Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B



14.3 In Accordance with IATA

- Proper Shipping Name : DISINFECTANTS, LIQUID, CORROSIVE N.O.S.,(QUATERNARY AMMONIUM COMPOUNDS)
Packing Group : III
Identification Number : UN1903
Hazard Class : 8
Label Codes : 8
- ERG Code (IATA) : 8L



14.4 In Accordance with TDG

- Proper Shipping Name : DISINFECTANTS, LIQUID, CORROSIVE N.O.S.,(QUATERNARY AMMONIUM COMPOUNDS)
Packing Group : III
Hazard Class : 8
Identification Number : UN1903
Label Codes : 8



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SECTION 15: Regulatory Information

15.1 US Federal Regulations

The product is US EPA registered pesticide.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR, 1910.1200.

EPA FIFRA Pesticide Notice	:	This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide laws. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.
EPA FIFRA Signal Word	:	DANGER
EPA FIFRA Hazard Statement	:	Keep Out of Reach of Children.
EPA FIFRA Precautionary Statements	:	Hazard to Humans and Domestic Animals. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Wear safety goggles, protective clothing and rubber gloves. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Ethanolamine (141-43-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Ethyl alcohol (64-17-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Nonylphenol ethoxylates (9016-45-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.

15.2 US State Regulations

Ethanolamine (141-43-5)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Ethyl alcohol (64-17-5)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	

15.3. Canadian Regulations

Not Applicable

SECTION 16: Other Information, Including Date Of Preparation Or Last Revision

Revision date	:	01/30/2017
Other Information	:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed

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H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

NFPA Health Hazard

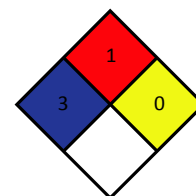
: 3 – Short exposure could cause serious temporary or residual injury even through prompt medical attention was given.

NFPA Fire Hazard

: 1 - Must be preheated before ignition can occur.

NFPA Reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Party Responsible for the Preparation of This Document

STERIS Corporation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

STERIS NA GHS SDS