



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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## BioSentry® 904 Disinfectant

Revision 3  
Revision date 2020-01-21

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	BioSentry® 904 Disinfectant
Product code	D12670227, D12695581, D12709557

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Disinfectant.

#### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

#### Further information

HACCO, Inc.  
110 Hopkins Dr.  
Randolph, WI 53956-1316 U.S.A.  
HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation.

Preserve International  
944 Nandino Blvd.  
Lexington, KY 40511-1205 U.S.A.  
Preserve International is a wholly-owned subsidiary of Neogen Corporation.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture


2.1.2. Classification - GHS	Acute Tox. 4: H302; Skin Corr. 1B: H314; Acute Tox. 3: H331; Carc. 2: H351; STOT SE 2: H371; STOT RE 1: H372; Aquatic Chronic 1: H410;
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#### 2.2. Label elements

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## 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>Acute Tox. 4: H302 - Harmful if swallowed.          Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.          Acute Tox. 3: H331 - Toxic if inhaled.          Carc. 2: H351 - Suspected of causing cancer .          STOT SE 2: H371 - May cause damage to organs .          STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .          Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
Precautionary Statement: Prevention	<p>P202 - Do not handle until all safety precautions have been read and understood.          P260 - Do not breathe dust/fume/gas/mist/vapours/spray.          P264 - Wash thoroughly after handling.          P270 - Do not eat, drink or smoke when using this product.          P271 - Use only outdoors or in a well-ventilated area.          P273 - Avoid release to the environment.          P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary Statement: Response	<p>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 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.          P308+P313 - IF exposed or concerned: Get medical advice/attention.          P363 - Wash contaminated clothing before reuse.</p>
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

## 2.3. Other hazards

Other hazards	Contains: Flammable liquid. (<10%). May be harmful in contact with skin.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

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## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Nonylphenoxypolyethoxy ethanol		127087-87-0	500-315-8		1 - 10%	Acute Tox. 4: H302+H332; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411;
Didecyldimethylammonium chloride.		7173-51-5	230-525-2		10 - 20%	Flam. Liq. 3: H226; Acute Tox. 3: H301+H331; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	612-140-00-5	63449-41-2	264-151-6		1 - 10%	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		1 - 10%	Skin Corr. 1A: H314;
Propylene glycol		57-55-6	200-338-0		10 - 20%	
Ethanol	603-002-00-5	64-17-5	200-578-6		1 - 10%	Flam. Liq. 2: H225;
Benzyl C12-16 alkyldimethyl chlorides		68424-85-1	270-325-2		1 - 10%	Flam. Liq. 3: H226; Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318; Acute Tox. 2: H330; STOT SE 2: H371; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Trisodium N-(hydroxyethyl)-ethylenediaminetriacetate		139-89-9	205-381-9		1 - 10%	Met. Corr. 1: H290; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Carc. 2: H351;
Citric acid		5949-29-1	201-069-1		1 - 10%	Eye Irrit. 2: H319;
Tributyltin oxide		56-35-9	200-268-0		1 - 10%	Acute Tox. 3: H301; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT SE 3: H336; STOT RE 1: H372; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

## Description

Included on the Candidate List of Substances of Very High Concern:  
[Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0; Tributyltin oxide, CAS No. 56-35-9].

Concentrations listed are not product specifications.

## Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Immediate medical attention is required. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration.
<b>Eye contact</b>	Remove the affected person from the source of contamination immediately. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Contact lenses should be removed. Immediate medical attention is required.
<b>Skin contact</b>	Remove the affected person from the source of contamination immediately. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and

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## 4.1. Description of first aid measures

Ingestion	water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Immediate medical attention is required.
	Rinse mouth thoroughly. Do not induce vomiting unless told to do so by the poison control center or doctor. Probable mucosal damage may contraindicate the use of gastric lavage. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

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

Inhalation	Toxic if inhaled. Corrosive to the respiratory tract. Causes burns. In severe cases, may cause loss of consciousness. May cause irritation to mucous membranes. May cause dizziness and headache.
Eye contact	Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea. Danger of very serious irreversible effects.
Skin contact	Corrosive to living tissue. Causes skin burns. Danger of very serious irreversible effects.
Ingestion	Harmful if swallowed. Corrosive to living tissue. Causes severe burns. Danger of very serious irreversible effects. Ingestion may cause nausea and vomiting.

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

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Immediate medical attention is required. If medical advice is needed, have product container or label at hand.
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## Further information

	Refer to product label and/or package insert for additional information.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Corrosive. Do not breathe vapor or spray mist. Contains substance(s) which are hazardous to the environment. Do not allow runoff water to enter sewers or drains. Contains: Flammable liquid. (<10%).
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### 5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Do not breathe vapor or spray mist. Wear: Self-contained breathing apparatus, Protective equipment.
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## SECTION 6: Accidental release measures

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

	In the case of cleanup following a spill, wear protective clothing and appropriate equipment to prevent exposure of skin and eyes and to prevent ingestion or inhalation. Ensure adequate ventilation of the working area. Keep personnel away from spill. Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Keep away from incompatible materials.
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### 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of
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## 6.3. Methods and material for containment and cleaning up

equipment or disposal of wastes.

## 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle and open container with care. Do not breathe vapor or spray mist. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Causes eye damage and skin damage. Wear chemical protective clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Contaminated work clothing should not be allowed out of the workplace. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not eat, drink or smoke in areas where this product is used or stored.  
Read the entire label and follow all use directions, restrictions, and precautions.

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

Store in original container in a cool, dry place inaccessible to children and pets. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Keep containers closed and away from other chemicals. Do not store with incompatible substances or mixtures. Follow label instructions.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limit Values


Ethanol	ACGIH TLV TWA: 1000 ppm	ACGIH TLV STEL: -
	Notations: A4	OSHA PEL 8hr TWA ppm: 1000
	OSHA PEL 8hr TWA mg m3: 1900	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:
Sodium hydroxide	ACGIH TLV TWA: -	ACGIH TLV STEL: C 2 mg/m <sup>3</sup>
	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 2	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

### 8.2. Exposure controls

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## 8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
Individual protection measures	Wear chemical protective clothing. Do not breathe dust or vapor.
Eye / face protection	Wear: Approved safety goggles, Face shield.
Skin protection - Hand protection	Wear: Chemical resistant gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
Skin protection - Other	After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Provide chemical shower. Provide eye wash station. Protect clothing from contact with the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Avoid contamination of food or feedstuffs.

## Further information

	Refer to product label for additional PPE requirements and recommendations. Follow label instructions.
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	Odorless/Slight
<b>Odor threshold</b>	No data available
<b>pH</b>	9 - 10
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	> 62 °C
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	Not applicable.
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	1.007
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Oxidizing properties</b>	No data available
<b>Solubility</b>	Soluble in water

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## 9.2. Other information

<b>Gas group</b>	Not applicable.
<b>VOC (Volatile organic compounds)</b>	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
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## 10.4. Conditions to avoid

	Keep away from extreme temperatures. Keep away from incompatible materials.
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## 10.5. Incompatible materials

	Keep away from strong oxidizing agents, Combustible materials.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Toxic by inhalation. Harmful if swallowed. May be harmful in contact with skin.
<b>Skin corrosion/irritation</b>	Corrosive to living tissue. Causes burns. Possible risk of irreversible effects.
<b>Serious eye damage/irritation</b>	Causes severe burns. Causes severe inflammation and may damage the cornea. Possible risk of irreversible effects.
<b>Respiratory or skin sensitization</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	Carcinogen category 2.  Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-123. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Not listed in the OSHA standard 1910.1003 Carcinogens.
<b>Reproductive toxicity</b>	Adverse reproductive effects have been found in laboratory animals.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause oral mucosal irritation. May cause dizziness and headache.
<b>STOT-repeated exposure</b>	Component(s) may cause damage to human organs based on animal data. (respiratory organs, immune system).
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

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## 11.1.2. Mixtures

See Section(s) 3 for further information.

## 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

## 11.1.4. Toxicological information

No data available

## 11.1.5. Hazard Class

See Section(s) 2 and 4 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonized System (GHS) considerations for the classification of mixtures.  
See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

See Section(s) 4.2 for further information.

## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

Caution - substance not yet fully tested.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

**BioSentry® 904 Disinfectant** No data available

**Ethanol** -0.349 log P

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment



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## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

This product is extremely toxic to aquatic organisms, including fish and invertebrates.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not discharge effluent containing this product to sewer systems. Follow label instructions.

### Disposal methods

Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not empty into drains; dispose of this material and its container in a safe way. Do not flush into surface water. Do not let product contaminate subsoil.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Can be recycled if in compliance with local and national regulations.

### Further information

Refer to product label and/or package insert for additional information.

## SECTION 14: Transport information

### Hazard pictograms



### 14.1. UN number

UN1903

### 14.2. UN proper shipping name

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds, Tributyltin oxide)

### 14.3. Transport hazard class(es)

DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

### 14.4. Packing group

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<b>14.4. Packing group</b>	
Packing group	II
<b>14.5. Environmental hazards</b>	
Environmental hazards	No
Marine pollutant	No
<b>DOT</b>	
Hazard ID	80
Tunnel Category	(E)
<b>IMDG</b>	
EmS Code	F-A S-B
<b>IATA</b>	
Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Regulations</b>	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
<b>Chemical Inventories/Right-to-Know Lists:</b>	<p>--International--</p> <p>Basel Convention (Hazardous Waste): H6.1, H8, H11, H12.</p> <p>Chemical Weapons Convention (OPCW): This material contains no reportable components.</p> <p>Kyoto Protocol Greenhouse Gases: This material contains no reportable components.</p> <p>Mercosur Agreement: Not applicable.</p> <p>Montreal Protocol: This material contains no reportable components.</p> <p>The Rotterdam Convention: Annex III, (industrial chemical/pesticide), [Bis(tributyltin)oxide, CAS No. 56-35-9].</p> <p>The Stockholm Convention: This material contains no reportable components.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [#2568, Ethanol, CAS No. 64-17-5], [#1763, Bis(tributyltin) oxide, CAS No. 56-35-9]. Prohibited, [Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0].</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This material contains no reportable components.</p> <p>Chemical Substances Control Law (Japan): Priority Assessment, (ecosystem), [#167, Didecyldimethylammonium chloride, CAS No. 7173-51-5], [#184, Salt of alkyl(C=12-16)(benzyl)(dimethyl)ammonium chloride, CAS No. 68424-85-1], [#86, Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0]. Class I specified chemical substance. [Bis(tributyltin) oxide (organic tin compounds), CAS No. 56-35-9]. Type III monitoring, No. 43 [Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0]. Class I environmental release. [Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0], [Bis(tributyltin) oxide, CAS No. 56-35-9]. Air Pollution Control Law: [Bis(tributyltin) oxide (organic tin compounds), CAS No. 56-35-9]. Water Pollution Control Law: Designated substance, [Sodium hydroxide, CAS No. 1310-73-2].</p>

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

Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, [Sodium hydroxide, CAS No. 1310-73-2], [Ethanol, CAS No. 64-17-5], [Bis(tributyltin) oxide (tin and its compounds), CAS No. 56-35-9]. Dangerous substance. [Ethanol, CAS No. 64-17-5], (flammable).

Poisonous and Deleterious Substances Act (Japan): Deleterious substance, [Didecyldimethylammonium chloride, CAS No. 7173-51-5].

Chemical Substances Subject to Permission (Korea): Toxic substance, [97-1-200, N-Alkyldimethylbenzyl ammonium chlorides, CAS Nos. 63449-41-2, 68424-85-1], [97-1-139, Bis(tributyltin) oxide, CAS No. 56-35-9]. Priority Control substance. [Annex II-6, Bis(tributyltin) oxide, CAS No. 56-35-9].

Restricted or Prohibited Substances (Korea): Restricted, [06-5-6, Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0], [06-5-4, Bis(tributyltin) oxide, CAS No. 56-35-9].

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): [Schedule I, Sodium hydroxide, CAS No. 1310-73-2]. CLASS regulation. [Sodium hydroxide, CAS No. 1310-73-2].

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, [N-Alkyldimethylbenzyl ammonium chloride, CAS No. 63449-41-2], [Didecyldimethylammonium chloride, CAS No. 7173-51-5], [Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides, CAS No. 68424-85-1], [Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0], [Trisodium N-(hydroxyethyl)-ethylenediaminetriacetate (EDTA), CAS No. 139-89-9], [Sodium hydroxide, CAS No. 1310-73-2], [Bis(tributyltin) oxide, CAS No. 56-35-9].

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/27, Didecyldimethylammonium chloride, CAS No. 7173-51-5], [148/01, Class 1, Bis(tributyltin) oxide, CAS No. 56-35-9].

Hazardous Substances Act (Thailand): [Type 3, Bis(tributyltin) oxide, CAS No. 56-35-9].

Law on Chemicals (Vietnam): [Annex I; Appendix V, VII: Sodium hydroxide, CAS No. 1310-73-2], [Appendix I, Bis(tributyltin) oxide, CAS No. 56-35-9].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Class 8, (Class 6.1).

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.

Authorization List (Annex XIV of REACH): Endocrine disrupting agent, [Nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0].

Annex XVII for REACH: Restricted, [Nonylphenyl ethoxylates].

Article 95 of the Biocidal Products Regulation (BPR): PT12 [Didecyldimethylammonium chloride, CAS No. 7173-51-5], PT1 [N-alkyldimethyl ammonium chlorides, CAS No. 68424-85-1], [Ethanol, CAS No. 64-17-5].

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.

Priority Substance List 1 (PSL1). [Bis(tributyltin) oxide, CAS No. 56-35-9].

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: Sodium hydroxide.

New Jersey Worker and Community Right to Know Act: Propylene glycol, Sodium hydroxide, Ethyl alcohol.

Pennsylvania Right to Know Law: 1,2-Propanediol, Sodium hydroxide, Ethanol.

Rhode Island Right-to-Know General Law: Propylene glycol, Sodium hydroxide, Ethyl alcohol.

**\*\*California residents please note\*\*.**

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

WARNING: This product can expose you to chemicals, including nonylphenoxypolyethoxy ethanol, CAS No. 127087-87-0, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Y	N	N	N	N	N	N	N	N
Sodium hydroxide (Sodium hydroxide (Na(OH)))	Y	N	N	N	N	N	Y	N	N
Propylene glycol (1,2-Propanediol)	Y	Y	N	N	N	N	N	N	N
Ethanol	Y	Y	N	N	N	N	N	N	N

## SECTION 16: Other information

### Other information

#### Revision

This document differs from the previous version in the following areas:

- 1 - Description.
- 1 - Product Use.
- 1 - Manufactured By:.
- 2 - Other hazards.
- 2 - 2.1.2. Classification - GHS.
- 2 - Hazard pictograms.
- 2 - Hazard Statement.
- 2 - Precautionary Statement: Prevention.
- 2 - Precautionary Statement: Response.
- 2 - Precautionary Statement: Storage.
- 3 - Description.
- 4 - Inhalation.
- 4 - Skin contact.
- 4 - Ingestion.
- 4 - Further information.
- 5 - 5.2. Special hazards arising from the substance or mixture.
- 7 - 7.2. Conditions for safe storage, including any incompatibilities.
- 7 - Further information.
- 8 - Further information.
- 9 - 9.1. Information on basic physical and chemical properties (Odor).
- 9 - 9.1. Information on basic physical and chemical properties (Flash point).
- 9 - 9.2. Other information (Gas group).
- 10 - 10.5. Incompatible materials.
- 11 - 11.1.4. Toxicological information.
- 11 - Acute toxicity.
- 11 - Repeated or prolonged exposure.
- 11 - Carcinogenicity.
- 11 - Reproductive toxicity.
- 11 - STOT-single exposure.
- 11 - STOT-repeated exposure.
- 11 - 11.1.7. Information on likely routes of exposure.
- 12 - 12.1. Toxicity.
- 12 - 12.6. Other adverse effects.
- 13 - Further information.
- 14 - DOT.
- 15 - Chemical Inventories/Right-to-Know Lists:.

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## Other information

<p><b>Acronyms</b></p>	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service. GHS: Globally Harmonized System. HCS 2012: Hazard Communication Standard (2012 revision). IATA: International Air Transport Association. ICAO: International Civil Aviation Organization. IMDG: International Maritime Dangerous Goods. LD: Lethal dose. OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals. SVHC: Substance of very high concern. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.</p>
<p><b>Text of Hazard Statements in Section 3</b></p>	<p>Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 3: H301+H331 - Toxic if swallowed or if inhaled Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Acute Tox. 2: H330 - Fatal if inhaled. STOT SE 2: H371 - May cause damage to organs . Met. Corr. 1: H290 - May be corrosive to metals. Carc. 2: H351 - Suspected of causing cancer . Acute Tox. 3: H301 - Toxic if swallowed. STOT SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is</p>
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**Further information**

	furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.
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