

# SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Trade Name:** Perisept 62 Sporocidal Disinfectant Cleaner Hospital Disinfectant  
**Code # :** 48027  
**Revision Date:** 11/18/2013  
**EPA Number:** 10324-214-12120  
**Product Class:** Peroxyacetic Acid, PAA  
**Supplier Name:** Triple S  
2 Executive Park Drive  
Billerica, MA 01862  
**Emergency:** 1-888-779-1339  
**General Information:** 1-800-323-2251

## Section 2: Composition/Information on Ingredients

Components	CAS #	EINECS #	Wt. %
Peroxyacetic Acid	79-21-0	201-186-8	5-6
Hydrogen Peroxide	722-84-1	231-765-0	24-29
Acetic Acid	64-19-7	200-580-7	5-7
Sulfuric Acid	7664-93-9	231-639-5	<1.0
Water	7732-18-5	231-791-2	Balance

## Section 3: Hazards Identification

**Emergency Overview:** Clear liquid with a sharp, pungent, vinegar-like odor. **Oxidizer.** Stabilized peracetic acid, an ingredient in this product, decomposes under fire conditions to release oxygen that intensifies the fire. Use extinguishing media suitable for the materials that are burning. Severely irritating to skin and eyes.

### Potential Health Effects:

**Eyes:** Causes burns and may result in permanent injury to eyes including blindness.  
**Skin:** Causes corrosive burns. Brief exposures may cause irritation.  
**Inhalation** Mists and vapors can irritate nose, throat and lungs but will usually subside when exposure ceases.  
**Ingestion** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## Section 4: First Aid Measures

**Eye Contact:** Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention immediately.

**Skin Contact:** Wash affected areas with plenty of water, and soap if available, for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation develops or persists.

**Inhalation:** Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

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**Ingestion:** Give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

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### Section 5: Fire Fighting Measures

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**Flammable Properties:** 83° C (PMCC)  
**Extinguishing Media:** Use media suitable for the material that is burning.  
**Protection of Firefighters:** Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side. As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.  
**Protective equipment and precautions for firefighters**

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### Section 6: Accidental Release Measures

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**Personal Precautions:** Approach release from upwind. Wear special protective clothing and using positive pressure self-contained breathing apparatus.

**Environmental Precautions:** Do not allow undiluted material to enter storm or sanitary sewer systems.

**Methods of Containment:** Stop or control leak. Control run off and isolate discharged material for proper disposal. Do not allow undiluted material to enter storm or sanitary sewer systems.

**Methods for cleaning up:** Combustible materials exposed to hydrogen peroxide, an ingredient in this product, should be immediately submerged in, or rinsed with, large amounts of water to ensure that all hydrogen peroxide is removed. Residual hydrogen peroxide that is allowed to dry (upon evaporation hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

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### Section 7: Handling & Storage

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**Handling:** Provide effective local exhaust ventilation. Empty container as thoroughly as possible. Never return product to original container. Wear protective rubber gloves and safety glasses when handling bottles and placing bottles into Navigator System.

**Storage:** Do not store near reducing agents, fuels or other non-compatible materials. Store in a cool, dry, well ventilated area. For quality purposes, avoid temperatures above 86°F. Higher temperatures will accelerate decomposition resulting in a loss of activity. Do not store in direct sunlight, or near sources of ignition or heat. Do not double stack. Use first in, first out storage system. Expected shelf-life one year. Storage temperature range: 5-30°C; protect from freezing.

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### Section 8: Exposure Controls/Personal Protection

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#### Occupation Exposure Limits

Ingredient	Exposure Guideline	Guideline Value
Hydrogen Peroxide	ACGIH	1 ppm (TWA)
	OSHA	1 ppm (PEL)
Acetic Acid	ACGIH	15 ppm (STEL)
	OSHA	10 ppm (PEL)
Sulfuric Acid	ACGIH	2 mg/m <sup>3</sup> (STEL)
	OSHA	1 mg/m <sup>3</sup> (TWA)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

## MATERIAL SAFETY DATA SHEET

**Engineering Controls:** Provide mechanical local exhaust ventilation to prevent release of mist into the work area. If ventilation is inadequate or not available, use acid gas cartridge or canister with full face-piece.

### Personal Protective Equipment

**Eye/Face Protection:** Wear chemical splash goggles where there is a potential for eye contact.

**Skin Protection:** Rubber or neoprene gloves, footwear and aprons, or full protective clothing. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks. Hydrogen peroxide is an ingredient in this product: completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

**Respirator Protection** In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

**Other:** Eye wash; safety shower.

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### Section 9: Physical & Chemical Properties

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**Color**.....Colorless  
**Physical State**.....Liquid  
**Odor**.....Sharp, pungent vinegar-like  
**Water Solubility**.....Soluble  
**pH**.....<1.0  
**pH (1% solution @ 25°C)**.....2-3  
**Boiling Point**.....100°C  
**Flash Point**.....83° C (PMCC)  
**Evaporation Rate**.....Not Determined  
**Vapor Pressure**.....22 mmHg @ 25°C  
**Vapor Density**.....Not Determined  
**Specific Gravity @ 25°C**.....1.1 g/ml  
**Weight per Gallon**.....9.4 lb./gal  
**Self-Accelerating Decomposition Temperature (SADT)**.....>55°C (55 gallon drum)

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### Section 10: Stability & Reactivity

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**Chemical Stability:** Stable (expected shelf-life one year, when stored at temperatures <86°F).

**Conditions to Avoid:** Open flames, elevated temperatures, any source of heat, combustibles such as paper and wood and contamination.

**Incompatible Materials:** Dirt, alkali (caustic), reducing agents, organics and heavy metals such as iron, copper, chromium, aluminum and cobalt.

**Hazardous Decomposition Products** Oxygen that supports combustion and acetic acid.

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### Section 11: Toxicological Information

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**Carcinogenicity:** .....Hydrogen peroxide IARC Listed, ACGIH Listed as A3, Animal Carcinogen.  
**Acute Oral LD<sub>50</sub>:**..... 1,922mg/kg  
**Acute Dermal LD<sub>50</sub>:**..... 17% Peracetic acid: >200mg/kg  
**Skin Irritation:**.....Severe Irritant  
**Eye Irritation:**.....Severe Irritant  
**Inhalation LC50,**.....No data available for the product.  
5% Peracetic acid: >4,000mg/m (4157) (4h) (rat)  
**Sensitization:**.....Not available.

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### Section 12: Ecological Information

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#### Ecotoxicity

EC<sub>50</sub> (Daphnia magna):.....0.73mg/L (48h)  
EC<sub>50</sub> (Selenastrum, green algae):.....0.18mg/L (120h)  
LC<sub>50</sub> (Rainbow trout):.....1.6mg/L (96h)  
LC<sub>50</sub> (Bluegill sunfish):.....1.1mg/L (96h)

**Environmental Fate:**.....No data available for this product. Peracetic acid is completely miscible with water. Aqueous solutions of peracetic acid hydrolyze to acetic acid and hydrogen peroxide.

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### Section 13: Disposal Considerations

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**Disposal Instructions:** Discharge as a hazardous waste into a suitable treatment system in accordance with local, state and federal governmental agencies.

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### Section 14: Transport Information

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**Proper Shipping name:** Organic Peroxide Type F, Liquid, (Peroxyacetic acid, type F, Stabilized)  
**Primary Hazard Class/Division:** 5.2 (Oxidizer)  
**Hazard Class, Subsidiary:** 8 (Corrosive)  
**UN/NA Number:** UN 3109  
**Packing Group:** II  
**Label(s):** 5.2 Oxidizer and Subsidiary Risk – 8 (Corrosive)

#### Additional Information:

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### Section 15: Regulatory Information

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**US Federal regulations:** This product is considered a pesticide, and is therefore excluded from United States TSCA Regulations.

**Reportable Quantity:** 5% Peracetic Acid (Unlisted), RQ=300 lbs., Ignitability (DOO1), Corrosivity (DOO2)  
Acetic Acid (Listed), RQ=5,000 lbs., Category D  
Sulfuric Acid (Listed), RQ=1,000lbs., Category C

#### SARA Title III (Superfund Amendments and Reauthorization Act)

##### Section 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A):

Listed (Peracetic Acid), Planning Threshold = 500 lbs., Listed  
Listed (Sulfuric Acid), Planning Threshold = 1,000 lbs. Listed

##### Section 211: Hazard Categories (40 CFR 370:

Fire Hazard, Immediate (Acute) Health Hazard

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## Section 312: Threshold Planning Quantity (40 CFR 370):

The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs.; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs: Peracetic Acid, TPQ: 500 lbs.

## CERCLA (Comprehensive Environmental Response Compensation and Liability Act)

### CERCLA Designation & Reportable Quantities (RQ) (40 CFR 302.4):

5% Peracetic Acid (Unlisted), RQ=100 lbs., D001 (ignitability), D002 (Corrosivity)

<u>Chemical Name</u>	<u>RQ</u>	<u>Category</u>
Acetic Acid	5,000 lbs.	D
Sulfuric Acid	1,000lbs.	C

### Inventory Status

Australia	Australian Inventory of Chemical Substances (AICA)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States and Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "yes" indicates that all the components of this product comply with the inventory requirements administered by the governing country(s)

### State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

<u>State</u>	<u>Comment</u>
CA	Airborne Contaminants & Emissions Inventory (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
CA	Hazardous Substance List (H <sub>2</sub> O <sub>2</sub> , AA)
CT	Hazardous Material Safety (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
IL	Chemical Safety Act (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
IL	Toxic Substances Disclosure to Employees Act (AA)
IN	Occupational Health & Safety Standards – Air (H <sub>2</sub> O <sub>2</sub> , AA)
KY	Occupational Health & Safety Standards – Air (H <sub>2</sub> O <sub>2</sub> , AA)
LA	Right to Know List (PAA, H <sub>2</sub> O <sub>2</sub> )
LA	Spill Reporting (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
MA	Oil and Hazardous Materials List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
MA	Right to Know Substance List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
MN	Hazardous Substance List (H <sub>2</sub> O <sub>2</sub> , AA)
NJ	Right to Know Substance List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
NJ	Spill Tax List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
NJ	Toxic Catastrophe Prevention Act (PAA)
NC	Exposure Limits for Air Contaminants (H <sub>2</sub> O <sub>2</sub> , AA)

**WHMIS Classification:** Product Identification Number: 9183  
Hazard Classification/Division: Class D, Div. 2, Subdiv. B. (Toxic), Class E (Corrosive), Class C (Oxidizer)

## MATERIAL SAFETY DATA SHEET

### Section 16: Other Information

Hazard Ratings	HMIS (III)	NFPA	HAZARD RATINGS:
Health	3	3	4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0=Insignificant
Flammability	2	2	<b>PERSONAL PROTECTIVE EQUIPMENT (PPE):</b>
Reactivity	2	2	H = Safety goggles, gloves, apron and a vapor respirator
PPE/NFPA Special	H	OX	Special = OX (Oxidizer)

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# SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Trade Name:** Perisept 62 Sporidical Disinfectant Cleaner Hospital Disinfectant - **READY TO USE SOLUTION**  
**Code # :** 48027  
**Revision Date:** 2/05/2014  
**EPA Number:** 10324-214-12120  
**Product Class:** Ready-to-Use Disinfectant  
**Supplier Name:** Triple S  
2 Executive Park Drive  
Billerica, MA 01862  
**Emergency:** 1-888-779-1339  
**General Information:** 1-800-323-2251

## Section 2: Hazards Identification

**Emergency Overview:** WARNING: Harmful if swallowed.

### Potential Health Effects:

**Eyes:** Adverse symptoms may include irritation, watering, redness.  
**Skin:** Irritation may occur marked by redness, slight burning pain.  
**Inhalation** Mists and vapors can irritate nose, throat and lungs but will usually subside when exposure ceases.  
**Ingestion** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## Section 3: Composition/Information on Ingredients

Components	CAS #	EINECS #	Wt. %
Peroxyacetic Acid	79-21-0	201-186-8	< 1.0
Hydrogen Peroxide	722-84-1	231-765-0	< 1.0
Acetic Acid	64-19-7	200-580-7	< 1.0

## Section 4: First Aid Measures

**Eye Contact:** Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation persists

**Skin Contact:** Wash affected areas with plenty of water, and soap if available, for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation develops or persists.

**Inhalation:** Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

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**Ingestion:** Give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

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### Section 5: Fire Fighting Measures

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**Flammable Properties:** Non-flammable  
**Extinguishing Media:** Not applicable for diluted product  
**Protection of Firefighters:** Not applicable for diluted product  
**Protective equipment and precautions for firefighters**

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### Section 6: Accidental Release Measures

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**Personal Precautions:** Use personal protective equipment as required.

**Environmental Precautions:** Do not allow material to enter storm sewer systems.

**Methods of Containment:** Stop or control leak. Control run off and isolate discharged material for proper disposal.

**Methods for cleaning up:** Use water rinse for final clean-up.

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### Section 7: Handling & Storage

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**Handling:** Do not ingest. Do not get in eyes or on skin or clothing. Do not breath vapors or mists. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage:** Keep out of reach of children. Keep container tightly closed. Store between temperatures of 40F to 80F

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### Section 8: Exposure Controls/Personal Protection

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#### Occupation Exposure Limits

Ingredient	Exposure Guideline	Guideline Value
Hydrogen Peroxide	ACGIH	1 ppm (TWA)
	OSHA	1 ppm (PEL)
Acetic Acid	ACGIH	15 ppm (STEL)
	OSHA	10 ppm (PEL)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.



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**Engineering Controls:** Provide mechanical local exhaust ventilation to prevent release of mist into the work area.

### Personal Protective Equipment

**Eye/Face Protection:** No protective equipment is needed under normal use conditions.

**Skin Protection:** No protective equipment is needed under normal use conditions.

**Respirator Protection** No protective equipment is needed under normal use conditions.

**Other:** Not applicable

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### Section 9: Physical & Chemical Properties

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**Color**.....Colorless  
**Physical State**.....Liquid  
**Odor**..... Slight vinegar-like odor.  
**Water Solubility**..... Soluble  
**pH**..... 2 - 3.  
**Boiling Point**.....100°C  
**Flash Point**..... None.  
**Evaporation Rate**..... Not Determined  
**Vapor Pressure**.....22 mmHg @ 25°C  
**Vapor Density**.....Not Determined  
**Specific Gravity @ 25°C**..... 1.0 g/ml  
**Weight per Gallon**..... 8.345 lb./gal..

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### Section 10: Stability & Reactivity

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**Chemical Stability:** Stable

**Conditions to Avoid:** Not determined.

**Incompatible Materials:** Not determined.

**Hazardous Decomposition Products** Not determined.

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### Section 11: Toxicological Information

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**Carcinogenicity:** ..... No known significant effects or critical hazards.

**Acute Oral LD<sub>50</sub>:**..... No known significant effects or critical hazards.

**Acute Dermal LD<sub>50</sub>:**..... No known significant effects or critical hazards.

**Skin Irritation:**..... No known significant effects or critical hazards.

**Eye Irritation:**..... No known significant effects or critical hazards.

**Inhalation LC50,**..... No known significant effects or critical hazards.

**Sensitization:**..... No known significant effects or critical hazards.

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### Section 12: Ecological Information

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#### Ecotoxicity

EC<sub>50</sub> (Daphnia magna):.....No data available for this product.

EC<sub>50</sub> (Selenastrum, green algae):..... No data available for this product.

LC<sub>50</sub> (Rainbow trout):.....No data available for this product.

LC<sub>50</sub> (Bluegill sunfish):.....No data available for this product.

**Environmental Fate:**.....No data available for this product.

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### Section 13: Disposal Considerations

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**Disposal Instructions:** Avoid disposal. Attempt to use product completely in accordance with intended use.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

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### Section 14: Transport Information

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**Proper Shipping name:** Not intended for transport. Product to be used on site only.

**Primary Hazard Class/Division:**

**Hazard Class, Subsidiary:**

**UN/NA Number:**

**Packing Group:**

**Label(s):**

**Additional Information:**

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### Section 15: Regulatory Information

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**US Federal regulations:** This product is considered a pesticide, and is therefore excluded from United States TSCA Regulations.

**Reportable Quantity:** Not applicable

**SARA Title III (Superfund Amendments and Reauthorization Act)**

**Section 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A):** Not applicable

**Section 211: Hazard Categories (40 CFR 370:**

Immediate (Acute) Health Hazard

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**Section 312: Threshold Planning Quantity (40 CFR 370):** Not determined

**CERCLA (Comprehensive Environmental Response Compensation and Liability Act)**

**CERCLA Designation & Reportable Quantities (RQ) (40 CFR 302.4):** Not determined

### Inventory Status

Australia	Australian Inventory of Chemical Substances (AICA)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States and Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "yes" indicates that all the components of this product comply with the inventory requirements administered by the governing country(s)

### State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

<u>State</u>	<u>Comment</u>
CA	Airborne Contaminants & Emissions Inventory (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
CA	Hazardous Substance List (H <sub>2</sub> O <sub>2</sub> , AA)
CT	Hazardous Material Safety (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
IL	Chemical Safety Act (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
IL	Toxic Substances Disclosure to Employees Act (AA)
IN	Occupational Health & Safety Standards – Air (H <sub>2</sub> O <sub>2</sub> , AA)
KY	Occupational Health & Safety Standards – Air (H <sub>2</sub> O <sub>2</sub> , AA)
LA	Right to Know List (PAA, H <sub>2</sub> O <sub>2</sub> )
LA	Spill Reporting (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
MA	Oil and Hazardous Materials List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
MA	Right to Know Substance List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
MN	Hazardous Substance List (H <sub>2</sub> O <sub>2</sub> , AA)
NJ	Right to Know Substance List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
NJ	Spill Tax List (PAA, H <sub>2</sub> O <sub>2</sub> , AA)
NJ	Toxic Catastrophe Prevention Act (PAA)
NC	Exposure Limits for Air Contaminants (H <sub>2</sub> O <sub>2</sub> , AA)

**WHMIS Classification:** Product Identification Number: Not determined  
Hazard Classification/Division: Not determined

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**Section 16: Other Information**

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<b>Hazard Ratings</b>	<b>HMIS (III)</b>	<b>NFPA</b>	<b>HAZARD RATINGS:</b>
Health	1	1	4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0=Insignificant
Flammability	0	0	<b>PERSONAL PROTECTIVE EQUIPMENT (PPE):</b>
Reactivity	0	0	H = Safety goggles, gloves, apron and a vapor respirator
PPE/NFPA Special	-	-	Special = OX (Oxidizer)

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