

# SAFETY DATA SHEET

Date Prepared : 06/04/2015

SDS No : Triple S\_62 Perisept

## SSS Navigator #62 Perisept Sporidical Disinfectant Cleaner

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SSS Navigator #62 Perisept Sporidical Disinfectant Cleaner

**GENERAL USE:** Disinfectant, Virucide, Fungicide

**PRODUCT DESCRIPTION:** Disinfectant

**PRODUCT CODE:** 48027

**CHEMICAL FAMILY:** Peracetic acid/Hydrogen Peroxide Blend

#### DISTRIBUTOR

Triple S

2 Executive Park Drive

Billerica, MA 01862

<http://www.triple-s.com>

**Customer Service:** 978-667-7900

**EPA REG. NO.:** 10324-214-12120

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

888-779-1339

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Corrosion, Category 1

Eye Corrosion, Category 1

Acute Toxicity (Oral), Category 4

##### Physical:

Organic Peroxides, Type F

#### GHS LABEL



Corrosion



Flame



Exclamation  
mark

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

H242: Heating may cause a fire.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing fume, gas, mist, vapors, or spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220: Keep away from clothing and other combustible materials.

P234: Keep only in original packaging.

P273: Avoid release to the environment.

##### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER or doctor/physician.  
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P311: Call a POISON CENTER or doctor/physician.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P363: Wash contaminated clothing before reuse.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Storage:**

P405: Store locked up.  
 P411+P235: Store at temperatures not exceeding 30°C/86°F. Keep cool.  
 P410+P403: Protect from sunlight. Store in a well-ventilated place.  
 P420: Store separately.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear Liquid

**IMMEDIATE CONCERNS:** Causes irreversible eye damage and skin burns.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Corrosive, causes skin burning.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Harmful if swallowed.

**INHALATION:** Vapors are irritating to eyes and respiratory tract.

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

**CARCINOGENICITY:**

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans). The American Conference of Governmental Industrial Hygienists (ACGIH) has concluded that hydrogen peroxide is a 'Confirmed Animal Carcinogen with Unknown Relevance to Humans' (A3).

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

**ROUTES OF ENTRY:** Eye, skin, ingestion, Inhalation.

**CANCER STATEMENT:** None

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

**WARNING CAUTION LABELS:** Corrosive

**PHYSICAL HAZARDS:** May be corrosive to certain metals.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Peroxyacetic Acid	5 - 6	79-21-0
Hydrogen Peroxide	24 - 29	7722-84-1
Acetic Acid	5 - 7	64-19-7
Sulfuric Acid	< 1	7664-93-9
Water	55 - 75	7732-18-5

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, damage marked by burns.

**SKIN:** Burning sensation, redness, swelling and possible blistering.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Corrosive to eyes and skin. Harmful if inhaled. Harmful if swallowed

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** IIIA (140-200F)

**EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for the surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Not Established

**OTHER CONSIDERATIONS:** Although not flammable, this product, when exposed to high temperatures or fire, can contribute oxygen and intensify a surrounding fire.

**EXPLOSION HAZARDS:** None

**FIRE FIGHTING PROCEDURES:** Keep fire exposed containers cool with water stream or mist.

**FIRE FIGHTING EQUIPMENT:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can lead to release of irritating gases and vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Shut off any ignition sources. Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Shut off all ignition sources. Ventilate area. Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### **ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**RELEASE NOTES:** Combustible materials, such as cardboard, wood or paper, exposed to hydrogen peroxide, an ingredient in this product, should be immediately submerged in, or rinsed with, large quantities 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, fabric, cotton, leather, wood or other combustibles can cause the material to ignite and result in fire.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store away from excessive heat, spark or open flame. Do not store near flammable materials. Store at temperatures below 86F. Keep container closed until used. Do not store on wooden skids, shelving or wooden flooring.

Product must be stored on plastic surfaces. Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Wear chemical resistant rubber or neoprene gloves and eye safety goggles/full face shield when handling.

**STORAGE:** Store in closed container away from heat, spark or open flame. Do not store near reducing agents, fuels or other non-compatible materials. 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. Do not double stack.

**STORAGE TEMPERATURE:** (40°F) Minimum to (86°F) Maximum

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

**SHELF LIFE:** Expected shelf life is 1 year under controlled temperature storage.

**COMMENTS:** Combustible materials, such as cardboard, wood or paper, exposed to hydrogen peroxide, an ingredient in this product, should be immediately submerged in, or rinsed with, large quantities 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, fabric, cotton, leather, wood or other combustibles can cause the material to ignite and result in fire.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Hydrogen Peroxide	TWA	1	1.4	1	1.4	NL	NL
	STEL					NL	NL
Acetic Acid	TWA	10	25	10	25	NL	NL
	STEL			15	37	NL	NL
Sulfuric Acid	TWA		1		0.2	NL	NL
	STEL				3	NL	NL

**ENGINEERING CONTROLS:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and full face-shield.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Pungent

**ODOR THRESHOLD:** Not Established

**COLOR:** Water Clear

**pH:** < 1.0

**PERCENT VOLATILE:** >90

**FLASH POINT AND METHOD:** 83°C (181.4°F) Penske-Martin Closed Cup (PMCC)

**FLAMMABLE LIMITS:** Not established to Not established

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** ~ 22 mm Hg at 25°C (77°F)

**VAPOR DENSITY:** Not Established  
**BOILING POINT:** 212° F; 100° C  
**FREEZING POINT:** 32° F; 0° C  
**MELTING POINT:** NA = Not Applicable  
**THERMAL DECOMPOSITION:** > 55°C  
**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** (Water =1) 1.0  
**DENSITY:** ~ 9.4 at 20°C (68°F)  
**SPECIFIC GRAVITY:** 1.1 grams/ml. at 25°C (77°F)  
**VISCOSITY:** Water thin.  
**(VOC):** ≤ 13.000 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**STABILITY:** Stable under normal storage and use conditions.  
**CONDITIONS TO AVOID:** May react violently with strong alkalis. Open flames, elevated temperatures, any source of heat, combustibles such as paper and wood and contamination.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Reacts violently with strong alkaline materials.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. Elevated temperatures (above 86F) can release oxygen that supports combustion and acetic acid vapors.  
**INCOMPATIBLE MATERIALS:** Strong alkalis, reducing agents, chlorine Bleach, dirt, organic materials e.g. cellulose materials, dirt.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Peroxyacetic Acid	1922 mg/kg (rat)	> 200 mg/kg (rabbit)	> 4000 mg/m <sup>3</sup> (rat)
Hydrogen Peroxide	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)	
Acetic Acid	3200 to 5600 mg/kg (rat)	1100 mg/kg (rat)	> 16000 mg/l (rat)

**EYES:** Corrosive

**DERMAL LD<sub>50</sub>:** > 2000 mg/m<sup>3</sup>

**Notes:** 17% peracetic acid

**SKIN ABSORPTION:** Not Established

**ORAL LD<sub>50</sub>:** ~ 1922 mg/kg Rat

**INHALATION LC<sub>50</sub>:** Not Established

**Notes:** 5% peracetic acid: >4,000 mg/m (4hr)(rat)

**EYE EFFECTS:** Corrosive to eyes. Permanent damage may occur.

**SKIN EFFECTS:** Corrosive to skin.

### CARCINOGENICITY

Chemical Name	IARC Status
Hydrogen Peroxide	Group 3 - Not classifiable as to its carcinogenicity to Humans

**IARC:**

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

**IRRITATION:** Irritant

**CORROSIVITY:** Corrosive

**SENSITIZATION:** Not Established

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

**GENETIC EFFECTS:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TARGET ORGANS:** No known significant effects or critical hazards.

**TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

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

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**BIOACCUMULATION/ACCUMULATION:** Not Established

**DISTRIBUTION:** Not Established

**AQUATIC TOXICITY (ACUTE)**

**96-HOUR LC<sub>50</sub>:** 1.6 mg/L, (Rainbow trout)

**48-HOUR EC<sub>50</sub>:** 0.73 mg/L (daphnia magna)

**CHEMICAL FATE INFORMATION:** Not Established

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at your local office, or the nearest EPA regional office for guidance.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

**EMPTY CONTAINER:** Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

**RCRA/EPA WASTE INFORMATION:** Corrosive

**RCRA HAZARD CLASS:** D002

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Organic Peroxide Type F, Liquid

**TECHNICAL NAME:** Peroxyacetic Acid, Type F, Stabilized

**PRIMARY HAZARD CLASS/DIVISION:** 5.2

**SECONDARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 3109

**PACKING GROUP:** II

**NAERG:** 154

**PLACARDS:** Organic Peroxide, Corrosive

**LABEL:** Organic Peroxide, Corrosive

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Contact manufacturer for more information.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Contact manufacturer for more information.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive



Organic  
Peroxide

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Health Hazard - Acute; Reactivity hazard; Fire Hazard

**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** No

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Peroxyacetic Acid	5 - 6	79-21-0

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not Established

Chemical Name	Wt.%	CERCLA RQ
Peroxyacetic Acid	5 - 6	100 lbs.
Acetic Acid	5 - 7	5,000 lbs.
Sulfuric Acid	< 1	1,000 lbs.

**CERCLA RQ:** Not Established

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Peroxyacetic Acid	Pennsylvania Right to Know Substance New Jersey Right To Know Substance Massachusetts Right to Know Substance
Hydrogen Peroxide	Massachusetts Right to Know Substance New Jersey Right To Know Substance New York Right to Know Substance Pennsylvania Right to Know Substance
Acetic Acid	Pennsylvania Right to Know Substance New Jersey Right To Know Substance

**CALIFORNIA PROPOSITION 65:** No listed substance

**RCRA STATUS:** Not Established

**CARCINOGEN:** The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity in humans).

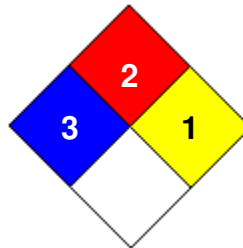
**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Dept.      **Date Prepared:** 06/04/2015

**HMIS RATING**

<b>HEALTH</b>	<input type="text"/>	<b>3</b>
<b>FLAMMABILITY</b>	<input type="text"/>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<input type="text"/>	<b>1</b>
<b>PERSONAL PROTECTION</b>	<input type="text"/>	<b>D</b>

**NFPA CODES**



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