

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

DISTRIBUTOR: M.D. STETSON

Address: 92 YORK AVE RANDOLPH, MA 02368

Company Phone Number: (800) 255-8651

Medical Emergency: (800) 426-1127

Chemical Emergency: (800) 345-6789

Product Name: CITRIS-SAN

Issue Date: 02-05-2007

Supersedes Date:

**Section 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Component/CAS #	% by Wt.
Hyrdogen peroxide (CAS# 7722-84-1)	5.0-12.0
Nonylphenoxypolyethleneoxy Ethanol (CAS# 9016-45-9)	1.0-5.0
D'Limonene (CAS# 5989-27-5)	0.0-2.0

**Section 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

Hazardous in case of eye, skin contact (irritant) or ingestion.

Appearance/Odor: Thin, Clear Colorless Liquid

**Acute Effects Routes of Entry**

Likely Routes of Exposure: Eye contact, skin contact, inhalation

**Skin:** Hazardous in case of skin contact (irritant). Prolonged or repeated contact may dry skin and cause irritation.

**Eyes:** May cause eye irritation.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** No data on acute toxicity of the product when ingested. May cause mild gastric irritation, abdominal spasms, nausea/vomiting.

Potential Health Effects: See Section 11 for more information

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information)

#### **Section 4: FIRST AID MEASURES**

**FOR SKIN:** Immediately remove contaminated shoes and clothing. Thoroughly flush affected area with water for at least 15 minutes. If irritation or burns are apparent, get medical aid.

**FOR EYES:** Immediately flush with water for at least 15 minutes. Get immediate medical aid. Speed in flushing eyes may save sight.

**IF INGESTED:** Harmful if swallowed. DO NOT INDUCE VOMITING. Give milk or water. Get immediate medical aid.

**INHALATION:** Move victim to fresh air. If not breathing administer artificial respiration. Get immediate medical aid.

**CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

#### **Section 5: FIRE FIGHTING MEASURES**

**FLASH POINT (°F):** None.

**FLAMMABLE LIMITS:** Not determined

**FLAMMABILITY:** Non combustible.

**SPECIAL PROCEDURES:** Flood area and cool containers with water. Wear full protective gear including boots, rubber suit, chemical splash goggles and self contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Substance releases oxygen when heated, which may increase the severity of an existing fire. Cool closed containers exposed to fire with water.

**Fire-Fighting Procedures:** Wear special protective clothing and positive pressure, self-contained breathing apparatus.

#### **Section 6: ACCIDENTAL RELEASE MEASURES**

**Spill Clean up:** Put on appropriate personal protective equipment(see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Prevent entry into waterways, sewers, basements or confined areas.

#### **Section 7: HANDLING AND STORAGE**

**Handling Procedures:** Avoid contact with skin and eyes. Use good personal hygiene practices. Do not wear leather. Wash contaminated clothing before reusing. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

**Storage Procedures:** Do not store below 32°F(0°C) or above 95°F(35°C). Keep away from heat and direct sunlight. Exposure to heat and sunlight accelerates decomposition. Avoid contact with wood. KEEP OUT OF THE REACH OF CHILDREN. FOR SALE, USE AND STORAGE BY SERVICE PERSONNEL ONLY.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Personal Protective Equipment:**

**Eyes/Face:** Wear chemical goggles. Use a face shield if splashing is possible.

**Skin:** Use impervious gloves (rubber, nitrile or neoprene). Wear suitable protective clothing.

**Respiratory:** Avoid breathing vapors or spray mists. If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSNA approved respirator or an organic/vapor removing cartridge respirator protection device should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

General Hygiene Considerations: Wash thoroughly after handling. Have eye-wash facilities immediately available.

**The following ingredients have established exposure guidelines:**

Ingredient	Exposure Guideline	Guideline Value
Hydrogen Peroxide 7722-84-1	OSHA PEL	1 ppm TWA
	ACGIH (TLV)	1 ppm/m3

All TWAs are for an 8-hour period unless specifically noted as being for another time period.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT (°F): Not determined

SPECIFIC GRAVITY: 1.025

VAPOR PRESSURE: = Not determined

% VOLATILES BY WEIGHT: 86+

% VOC = 0.5

VAPOR DENSITY: = Not determined

EVAPORATION RATE: = Not determined

SOLUBILITY IN WATER: Complete

pH: 4.5-5.0

APPEARANCE: Thin, Clear Colorless Liquid

ODOR: Citrus

**Section 10: STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Long term storage.

**INCOMPATIBILITY:** Reactive with flammables, oxidizing agents, reducing agents, powdered metals, and strong alkalis.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Exposure to heat and exposure to sunlight accelerates decomposition - carbon oxides (CO, CO2)

**HAZARDOUS POLYMERIZATION:** Will not occur.

**Section 11: TOXICOLOGY INFORMATION**

ACUTE EFFECTS

Oral LD50: No data available  
Dermal LDSO: No data available  
Inhalation: No data available  
Eye Irritation: No data available  
Skin irritation: No data available  
Sensitization: No data available

CHRONIC EFFECTS

Carcinogenicity: No ingredient of this product is listed as carcinogen by OSHA, NTP or IARC.  
Mutagenicity: No data available  
Reproductive Effect: No data available  
Developmental Effects: No data available

**Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity: No data available  
Persistence/ Degradability: Biodegradable  
Bioaccumulation/ Accumulation: No data available  
Mobility in Environment: No data available

**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Follow local, state and federal guidelines.

**Section 14: TRANSPORTATION INFORMATION**

US DOT (ground)  
Proper Shipping Description:

HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1, UN 2984,  
PG III, LTD QTY

Canadian TDG (ground): See US DOT  
ICAO (air) See US DOT  
IMDG (water) See US DOT

**Section 15: REGULATORY INFORMATION**

**TSCA Status**

All ingredients are listed on the TSCA Chemical Inventory or exempt from listing.

SARA 313 Information: To the best of our knowledge, this product contains no chemical substances subject to SARA Title III Section 313 supplier notification requirements.

**Section 16: OTHER INFORMATION**

HMIS HAZARD CODE: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1 OTHER: 0

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