

SDS

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name: CITRU-SAN Multi-Purpose Cleaner
Product Use: HYDROGEN PEROXIDE CLEANER / FOR INDUSTRIAL USE ONLY
Revision Date: 06/1/2015
Product code: CCS-CITRUSAN
CAS#: N/A, Mixture
DISTRIBUTOR:
CLEAN CUT SOLUTIONS
31 ASTOR AVENUE, NORWOOD MA 02062
PHONE: 781-352-4707

POISON CONTROL NUMBER 1-900-222-1222

SECTION 2 - HAZARDOUS IDENTIFICATION

GHS LABEL SIGNAL WORD: WARNING

GHS SYMBOLS:



Classification Irritant to eyes and skin

Skin corrosion / Irritation	Category 4
Eye Damage / Eye irritation	Category 2
Inhalation	Category 2

Emergency Overview May cause moderate to severe irritation to eyes and skin
Mist may cause irritation of respiratory tract

Potential Health Effects

Primary routes of exposure: Skin contact, eye contact and inhalation.

Skin: Irritating to skin. Prolonged or repeated skin contact will cause discomfort and may cause dry skin or irritation.

Eyes: Severe irritant. May cause damage to eyes. If irritation appears or persists get medical attention.

Inhalation: Not likely under normal conditions of use but possible when used as a spray. Inhalation of mist will cause irritation of respiratory tract.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Get medical attention.

Chronic Effects: Chronic effects by over exposure to this product have not been established.

Carcinogenicity: NTP; IARC Monographs: The ingredients are not considered a carcinogenic.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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

Hazardous Ingredients	CAS Number	Ingredient % Range
Hydrogen peroxide	7722-84-1	8%
Other ingredients		
Water	7732-18-5	>75
Alcohols, C8-22 ethoxylated	69013-19-0	5-10
Quaternary ammonium chloride	61791-10-4	1-5
Fragrance and dye		< 1

SECTION 4 - FIRST-AID MEASURES

- Eyes:** Immediately flush eye(s) with plenty of water for at least 15 minutes, lifting eye lids occasionally to facilitate irrigation and contact physician if irritation persists. Remove contacts if wearing.
- Skin:** In case of contact, flush skin with plenty of water. If severe irritation appears, consult a physician.
- Ingestion:** If swallowed, DO NOT induce vomiting. If conscious and able to swallow, give water or milk to dilute. Do not use sodium bicarbonate vinegar or fruit juices. Get medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** If inhaled, remove victim to fresh air immediately.

SECTION 5 - FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

- Flash Point and Method:** Above >210° F
- Flammability Limits (vol/vol%):** **LOWER:** No data available **UPPER:** No data available

- Extinguishing Media (suitable):** Carbon dioxide (CO₂), Dry chemical, Foam, water spray
- Protective Equipment:** As in any fire wear self-contained breathing apparatus pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.
- Products of combustion:** These products are carbon oxides (CO, CO₂) nitrogen oxides (NO, NO₂).
- Flammable Properties:** **NOT FLAMMABLE**

SECTION 6 – ACCIDENTAL RELEASE MEASURES

In case of spill or leak: Prevent further leakage or spillage. Warn Personnel. Cleaning products frequently present a slip hazard. Small quantities may be flushed down drain. Dispose of in accordance of Local, State and Federal Requirements.

SECTION 7 - HANDLING AND STORAGE

- Handling:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.
- Storage:** Keep in a dry, cool place. This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage. Store in upright position only. Keep in vented container, closed when not in use.
- Storage Stability:** Stable under normal conditions.
- Storage Incompatibility - General:** Store separate from: Strong bases, Strong oxidizing agents, Strong acids
- Temperature tolerance – Do not store below:** - 34 °F (1 °C)
- Temperature tolerance – Do not store above:** 100 °F (38 °C)

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Hydrogen Peroxide

<u>Exposure limit:</u>	ACGIH	OSHA
	1 ppm (TWA)	1 PPM (PEL)
		1.4 mg/m³ (PEL)

Personal Protection

- Respiratory Protection:** Avoid breathing vapor or mist.
- Eye/Face Protection:** Splash-proof chemical goggles or face shield.
- Skin Protection:** Avoid skin contact by wearing rubber gloves and following good industrial hygiene practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color:	Clear - orange	Vapor Density:	No data available
Physical State:	Liquid	Vapor Pressure:	No data available
Odor:	Clean Fresh orange Scent	Boiling Point:	212 °F (100 °C) [data for water (7732-18-5)]
pH:	5-6	Freezing Point:	32 °F (0 °C) [data for water (7732-18-5)]
Density:	No data available	Solubility in water:	100%
Specific Gravity	Approx. 1.00		
Flash point	Non-combustible	VOC:	No Data Available

SECTION 10 – STABILITY AND REACTIVITY

Stability:	This material is chemically stable under normal and anticipated storage, handling and processing conditions. Vented containers should be used.
Stability-Conditions to avoid:	See HANDLING AND STORAGE section of this SDS for specified conditions. See Hazardous Decomposition Products below. Decomposes yielding oxygen.
Materials to Avoid:	Strong acids, Strong bases, Strong oxidizing agents
Hazardous Polymerization:	Hazardous polymerization does not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Data for this material and/or its components have not been fully tested.

Components	CAS number	concentration %	Health Hazard @35% H2O2
Hydrogen peroxide	7722-84-1	5 and 8%	Dermal LD50 > 2000mg/kg rabbit ; Oral LD50 1.193 mg/kg rat Skin effects :mildly irritating after 4 hour exposure (rabbit) Eye effects. Extremely irritating/corrosive (rabbit)
Alcohols,C8-22 ethoxylated	69013-19-0	1-5	Ingestion LD50 >2000 mg/kg Rat Dermal LD50 3,300 mg/kg Rat
Quaternary ammonium chloride	61791-10-4	1-3	Ingestion LD 50 >2000mg/kg rat

Likely routes of Exposure and symptoms of exposure.

Skin contact – Irritation and redness

Eyes – Irritation and redness

Ingestion – Abdominal discomfort, nausea, vomiting and diarrhea.

Inhalation – Coughing, chest pain and nasal discomfort.

Chronic Effects; Have not been established.

Carcinogenicity: The ingredients are not considered a carcinogen.

This Product does not present an acute toxicity hazard based on known or supplied information.

Hydrogen Peroxide at and below 8% is considered an irritant, but not a hazard.

SECTION 12 - ECOLOGICAL INFORMATION

THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED.

Eco toxicity:

Components	CAS number	concentration %	Health Hazard
Hydrogen peroxide	7722-84-1	5 and 8%	Fathead minnow 96 h LC 50 = 16.4 mg/l Daphnia 24 h EC50=7.7 mg/kg Fresh water snail 96 h LC50 =17.7 mg.l
Alcohols,C8-22 ethoxylated	69013-19-0	1-5	LC 50 (96 h):8.5 mg/l Fathead minnow EC 50 (48 h): 5.3 mg/l Daphnia
Quaternary ammonium chloride	61791-10-4	1-3	(96 h) 10-20 mg/l fathead minnow EC 50 (96 h): 1-5 mg/l Algae

Quaternary amines are toxic to aquatic organisms based on data for similar material.

Persistence and degradability: The surfactants in this product have not been fully tested..

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

US Department of Transportation (DOT): not regulated, CLEANING COMPOUND NOI Non Hazardous
International Maritime Dangerous Goods Code (IMDG): not regulated, CLEANING COMPOUND NOI Non Hazardous
Hydrogen peroxide products are in vented containers and is not permitted for air transport.
Hydrogen Peroxide at and below 8% is considered an irritant, but not a hazard.

SECTION 15 - REGULATORY INFORMATION

US. Toxic Substances Control Act TSCA The components of this product are all on the TSCA Inventory.
U.S. Federal Regulations SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). **NONE**
OSHA Regulated Carcinogens (NTP, IARC, OSHA listed):
NTP: No component in this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

SECTION 16 - OTHER INFORMATION

Abbreviations and Definitions of terms used:

CAS: Chemical Abstracts Service (Registry Number)
LC50: The concentration of a material (inhaled) that will be lethal to 50% of the test animals.
LD50: The dose (swallowed all at once) which is lethal to 50% of a group of test animals.
N/A: Not Applicable
N/K: Not Known
NIOSH: National Institute for Occupational Safety and Health
PEL: Permissible Exposure Limit
STEL: Short term exposure limit
TLV: Threshold Limit Value
TWA: Time Weighted Average

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The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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