

SAFETY DATA SHEET



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San Sol 10

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: San Sol 10
 GENERAL USE: Sanitizer
 PRODUCT CODE: 1D.07

MANUFACTURER

Centraz Industries Inc.
 4051 BINGHAM AVE
 ST. LOUIS, MO 63116
 Customer Service: 314-752-7627

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation & Medical) : (800) 424-9300

EPA REG. NO.: 6836-266

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
 Skin Corrosion, Category 1
 Serious Eye Damage, Category 1

GHS LABEL



Corrosion



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.
 H314: Causes severe skin burns and eye damage.
 H302: Harmful if swallowed.

PRECAUTIONARY STATEMENTS

Prevention:

P270: Do not eat, drink or smoke when using this product.
 P264: Wash ... thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

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.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P363: Wash contaminated clothing before reuse.
 P310: Immediately call a POISON CENTER/doctor/...

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to ...

POTENTIAL HEALTH EFFECTS

EYES: Corrosive. Causes irreversible eye damage.

SKIN: Corrosive. Causes skin burns.

SKIN ABSORPTION: Harmful if absorbed through skin.

INGESTION: Harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Octyl Decyl Dimethyl Ammonium Chloride	4 - 8	68424-95-3
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	3 - 5	68424-85-1
Ethyl Alcohol	0.5 - 3	64-17-5

4. FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

SKIN: Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately.

INGESTION: Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Give oxygen. First aider needs to protect himself. Call a physician immediately.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE EFFECTS: No information Available

CHRONIC EFFECTS: No information Available

NOTES TO PHYSICIAN: No information available.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Use water spray to cool unopened containers.

EXTINGUISHING MEDIA: Dry powder, foam, water spray

OTHER CONSIDERATIONS: Heating or fire can release toxic gas.

FIRE FIGHTING EQUIPMENT: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not flush into surface water or sanitary sewer system.

GENERAL PROCEDURES: Contain spillage, and then collect with non-combustible absorbent material, (E.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

SPECIAL PROTECTIVE EQUIPMENT: Use respirator when performing operations involving potential exposure to vapour of the product.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.

STORAGE: Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

STORAGE TEMPERATURE: 10 °C Minimum to 37.8 °C Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Ethyl Alcohol	OSHA PEL	TWA	1000	1900
	ACGIH TLV	TWA	1000	1884

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Tight sealing safety goggles. Face protection shield.

SKIN: Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

RESPIRATORY: In case of vapour formation use a respirator with an approved filter.

PROTECTIVE CLOTHING: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Rubber or plastic apron. Rubber or plastic boots.

WORK HYGIENIC PRACTICES: Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and gloves, including the inside before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild

ODOR THRESHOLD: No data available

APPEARANCE: liquid

COLOR: Clear

pH: 6 to 8

FLASH POINT AND METHOD: > 65°C Method: Pensky-Martens Closed Tester (ASTM D 93) Does not sustain combustion according to ASTM 4206

AUTOIGNITION TEMPERATURE: No information Available

VAPOR PRESSURE: No information Available

VAPOR DENSITY: No data available

BOILING POINT: No information Available

FREEZING POINT: No information Available

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: No information Available

DENSITY: 0.99 at 25 °C

SPECIFIC GRAVITY: g/ml

VISCOSITY: No data available

10. STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: No data available

POSSIBILITY OF HAZARDOUS REACTIONS: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides, Carbon oxides

INCOMPATIBLE MATERIALS: Strong oxidizing agents, reducing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	344 mg/kg	3340 mg/kg

DERMAL LD₅₀: 645 mg/kg. (Rabbit)

Notes: Exposure time: 24.0 h

ORAL LD₅₀: 366 mg/kg (rat)

Notes: Method: FIFRA

NOTES: Acute oral toxicity (LD50): ca. 344 mg/kg

Species: Rat

Acute dermal toxicity (LD50): ca 3,340 mg/kg

Species: Rabbit

Exposure time: 24 h

SKIN CORROSION/IRRITATION: Corrosive

Species: Rabbit

Exposure time: 24 h

Method: DOT

SERIOUS EYE DAMAGE/IRRITATION: Corrosive

Species: Rabbit

Method: DOT

RESPIRATORY OR SKIN SENSITISATION: Test Type: Buehler Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Method: OECD test Guidelines 406

Result: Not sensitizing

GLP: yes

GERM CELL MUTAGENICITY: negative

Ames test, salmonella typhimurium

Metabolic activation: yes Method: OECD Test Guidelines 471

GLP: yes

negative

Chromosome aberration test in vitro, Human lymphocytes

Metabolic activation: yes Method: OECD Test Guidelines 473

GLP: yes

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available

BIOACCUMULATION/ACCUMULATION: No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local regulations.

Contact waste disposal services.

EMPTY CONTAINER: Triple rinse containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive liquids, n.o.s. (Dialkyldimethylammonium chloride)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1760

PACKING GROUP: II

NAERG: 154

NOTE: When packaged in 4 x1 gallon cartons this product ships as Ltd Qty DOT E 173.154

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: See Above: SECTION 2. Hazard Identification-GHS Classification

313 REPORTABLE INGREDIENTS: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No Chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC'S (40 CFR 60.489).

CALIFORNIA PROPOSITION 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

Ethanol 64-17-5

WARNING! This product contains a chemical known to the State of California to cause birth defects and other reproductive harm.

Ethanol 64-17-5

CLEAN WATER ACT: This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

16. OTHER INFORMATION

Date Revised: 03/05/2019

REVISION SUMMARY: This SDS replaces the 09/28/2016 SDS. Revised: **Section 2:** POTENTIAL HEALTH EFFECTS (SKIN, SKIN ABSORPTION, INHALATION), ROUTES OF ENTRY, TARGET ORGAN STATEMENT. **Section 4:** ACUTE TOXICITY, CHRONIC EFFECTS, EYES, INGESTION, INHALATION, NOTES TO PHYSICIAN, SKIN. **Section 5:** FIRE FIGHTING EQUIPMENT. **Section 6:** GENERAL PROCEDURES, RELEASE NOTES, SPECIAL PROTECTIVE EQUIPMENT, WATER SPILL. **Section 7:** GENERAL PROCEDURES, LOADING TEMPERATURE, STORAGE TEMPERATURE. **Section 8:** PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORY, PROTECTIVE CLOTHING). **Section 9:** APPEARANCE, FLAMMABLE LIMITS, FLASH POINT AND METHOD, MELTING POINT, MOLECULAR WEIGHT, ODOR, ODOR THRESHOLD, OXIDIZING PROPERTIES, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VISCOSITY, (VOC), THERMAL DECOMPOSITION, PHYSICAL STATE COMMENTS. **Section 10:** CONDITIONS TO AVOID, HAZARDOUS POLYMERIZATION, INCOMPATIBLE MATERIALS, STABILITY, STABLE, POSSIBILITY OF HAZARDOUS REACTIONS. **Section 11:** ACUTE (ORAL LD₅₀ ACUTE, IARC, NTP, OSHA, GERM CELL MUTAGENICITY, , , SKIN CORROSION/IRRITATION. **Section 12:** ECOTOXICOLOGICAL INFORMATION, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE). **Section 13:** DISPOSAL METHOD, EMPTY CONTAINER. **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) (UN/NA NUMBER, BULK FREIGHT CLASS, NAERG). **Section 15:** CLEAN WATER ACT, 311/312 HAZARD CATEGORIES, 313 REPORTABLE INGREDIENTS, CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS). **Section 16:** MANUFACTURER DISCLAIMER.

MANUFACTURER DISCLAIMER: The information provided in this Safety Data Sheet (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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.