SAFETY DATA SHEET

WORKING COPY

Date Prepared : 04/28/2015
SDS No : 1D.12

San Sol RTU

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: San Sol RTU
GENERAL USE: Disinfectant
PRODUCT CODE: 1D.12

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

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Contact causes severe eye irritation.

SKIN: Causes skin irritaion

INGESTION: Harmful if swallowed.

INHALATION: Mists and vapors may be milding irritating to the throat and respiratory tract.

ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion

TARGET ORGAN STATEMENT: Eyes, skin, gastrointestinal tract, respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Alkyl Dimethylbenzylammonium Chloride	0.01 - 0.02	68424-85-1
1-decanaminium, n,n-dimethyl-n-octyl-, chloride (1:1)	0.005 - 0.015	32426-11-2
Dioctyl Dimethyl Ammonium Chloride	0.0025 - 0.0075	5538-94-3
Didecyl Dimethyl Ammonium Chloride	0.0025 - 0.0075	7173-51-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention or advice.

SKIN: Promptly flush skin with water until all chemical is removed. Remove contaminated clothing and wash before reuse. Get medical attention.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. Give oxygen or artificial respiration if needed.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, foam, carbon dioxide, or water fog. Solid water streams may spread burning liquid.

HAZARDOUS COMBUSTION PRODUCTS: Irritating and toxic gases or fumes may be released during a fire.

EXPLOSION HAZARDS: Explosive mixtures can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flash back.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppresing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

LARGE SPILL: Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: KEEP OUT OF REACH OF CHILDREN

HANDLING: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

STORAGE: Keep the container tightly closed in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust at filling zones and where leakage is probable.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses.

SKIN: Gloves (solvent resistant)

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

OTHER USE PRECAUTIONS: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Didecyl Dimethyl Ammonium Chloride	107

PHYSICAL STATE: Liquid

ODOR: Benzaldehyde

APPEARANCE: Clear

COLOR: Colorless to pale yellow

pH: 7 to 7.5

PERCENT VOLATILE: No information Available

FLASH POINT AND METHOD: (200 °F)

FLAMMABLE LIMITS: No information Available

AUTOIGNITION TEMPERATURE: No information Available

VAPOR PRESSURE: No information Available

VAPOR DENSITY: No information Available

BOILING POINT: (190 °F)

FREEZING POINT: No information Available

MELTING POINT: No information Available

POUR POINT: No information Available

THERMAL DECOMPOSITION: No information Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: No information Available

DENSITY: 8.31

SPECIFIC GRAVITY: 0.996

VISCOSITY #1: 0.86884 mm2/s (cSt)

MOLECULAR WEIGHT: No information Available

(VOC): 0%

OXIDIZING PROPERTIES: No information Available

10. STABILITY AND REACTIVITY

STABILITY: Stable Under Normal conditions.

CONDITIONS TO AVOID: High temperatures and sparks or open flames

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.

INCOMPATIBLE MATERIALS: Strong oxidizing agents (may result in fire), reducing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD_{50}	DERMAL LD_{50}
Alkyl Dimethylbenzylammonium Chloride	344 mg/kg	3340 mg/kg
Didecyl Dimethyl Ammonium Chloride	450	3342

DERMAL LD_{50}: > 2000 mg/kg. (Rabbit)

ORAL LD_{50}: > 5000 mg/kg (rat)

EYE EFFECTS: None

SKIN EFFECTS: Moderate Skin irriation

12. ECOLOGICAL INFORMATION

COMMENTS: THIS PRODUCT HAS NOT BEEN TESTED.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: This material, if discarded as produced, is not a RCRA "listed" hazardous waste. However, it should be fully characterized for toxicity and possible reactivity prior to disposal. (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SPECIAL SHIPPING NOTES: DOT CLASS: NOT REGULATED # NON-HAZARDOUS FOR AIR, SEA AND ROAD FREIGHT.

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Alkyl Dimethylbenzylammonium Chloride	68424-85-1
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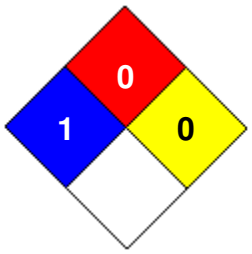
16. OTHER INFORMATION

Date Prepared: 04/28/2015

HMIS RATING

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	b

NFPA CODES



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