MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-1; Flammability-0; Reactivity-0; Special- -

HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B

Manufacturer's Name: **RITE-KEM, INC.**
Address: 703 Westmoreland Drive
Tupelo, MS 38803-3454

DOT Hazard Classification: Non-Hazardous
Identity (trade name as used on label)**:**
LEMON 7 DISINFECTANT-DETERGENT

Date Prepared: 08/31/99 Prepared By: ML

MSDS Number: LEMON 7 Revision - 2

Information Calls: (662)840-6060 / (800)841-5351
EMERGENCY RESPONSE NUMBER: 1(800)424-9300

NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	No	N/E	N/E	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 100ºC

Specific Gravity (H2O=1): 1

Vapor Pressure: PSIG @ 70°F (Aerosols): N/A

Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D

Vapor Density (Air = 1): N/D

Evaporation Rate (water = 1): 1

Solubility in Water: Miscible

Water Reactive: No

Appearance and Odor: Clear, yellow, non-viscous liquid with lemon fragrance.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A

Auto Ignition Temperature N/A

Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A

FLASH POINT AND METHOD USED (non-aerosols): **>**200ºF TCC

EXTINGUISHER MEDIA: Carbon dioxide, dry chemical, water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Wear proper protective clothing including NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire & Explosion Hazards: When heated to decomposition in a fire, product may liberate noxious and/or toxic fumes. See Section #4.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE

HAZARDOUS POLYMERIZATION [ ] WILL [X] WILL NOT OCCUR

Incompatibility (Mat. to avoid): Aluminum metal, anionic surfactants, anything reactive to water.

Conditions to Avoid: High temperatures.

Hazardous Decomposition Products: Oxides of carbon and nitrogen, unidentified organic compounds.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [ ] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS

Inhalation: Inhalation of spray or mist may cause irritation of respiratory tract tissues.

Eye Contact: Moderate to severe irritation, depending on quantity & duration of contact.

Skin Contact: Prolonged or repeated contact may cause irritation.

Ingestion: Moderate to severe irritation of gastrointestinal tract tissues. Toxic effects unlikely.

CHRONIC EFFECTS: None known.

Medical Conditions Generally Aggravated by Exposure: Contact may aggravate pre-existing irritation.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing. Wash with soap and water. If irritation persists, get medical attention.

Inhalation: Remove to fresh air. If necessary seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water or large quantity of milk, egg whites or gelatin solution. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): None needed under normal conditions of handling and usage.

Protective Gloves: Rubber

Eye Protection: Safety glasses or chemical goggles.

Ventilation Requirements: Special ventilation is not needed under normal conditions of handling and usage.

Other Protective Clothing & Equipment: Eyewash station and safety shower.

Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Do not allow large spills to contaminate sewers, ground or surface waters. Contain spill. Soak up in inert absorbent material. Place in leak-proof containers. Seal & label properly. Dispose of in a lawful manner.

Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only