MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 49 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-3; Flammability-0; Reactivity-0; Special- -	**HMIS Rating:** Health-3; Flammability-0; Reactivity-0; Personal Protection-B
Manufacturer's Name: **RITE-KEM, INC.** Address: 703 Westmoreland Dr. Tupelo, Ms 38803-3454 CAGE 0VVN0 GSA GS-07F-0283J	**DOT Hazard Classification:** Corrosive Material, 8 **Identity** (trade name as used on label)**:** **BEE-20 GERMICIDAL BOWL CLEANER**
Date Prepared: 10/10/2007 Prepared By: ML	**MSDS Number:** BEE 20 Revision -3
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 **
Hydrogen Chloride	7647-01-0	Yes	5	5	d
N-Alkyl (C12-C18) -N,N- Dimethyl-N-Benzyl-Ammonium Chloride	68391-01-5	No	N/E	N/E	d
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	No	N/E	N/E	d
Percentages and non-harzardous ingredients are trade secrets					

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212ºF	**Specific Gravity** (H2O=1): 1.09
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): N/A	**Evaporation Rate** (water= 1): 1
Solubility in Water: Total	**Water Reactive:** None
Appearance and Odor: Yellow fluid with Acrid odor.	

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): None **EXTINGUISHER MEDIA:** Non-Combustible.	**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.

Unusual Fire & Explosion Hazards: Avoid exposure to metals, oxidants which might product flammable hydrogen gas.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Bases, metals, mercuric sulfate, carbides of calcium, cesiam, rubidium.	**Conditions to Avoid:** Contact with strong bases can cause violent reaction generating large amounts of heat.

Hazardous Decomposition Products: Hydrogen gas.

SECTION 5 - HEALTH HAZARD DATA

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

ACUTE EFFECTS

Inhalation: Irritant causing burning, choking, coughing, headache.

Eye Contact: Irritation, severe burns & permanent damage including blindness.	**Skin Contact:** Burning, irritation, dermatitis.

Ingestion: Unlikely route-causes severe burns to internal organs.

CHRONIC EFFECTS: None known.

Medical Conditions Generally Aggravated by Exposure: Skin, eye, mucous membrane irritation.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Wash eyes for 15 minutes. Get immediate medical attention.

Skin Contact: Remove contaminated clothing, wash skin with water for 15 minutes.

Inhalation: Move to fresh air. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): Approved self-contained breathing apparatus when use concentrations exceed 100 ppm HCl vapors.

Protective Gloves: Neoprene.	**Eye Protection:** Chemical goggles or face shield.

Ventilation Requirements: As necessary to maintain air concentration below 5 ppm at all times.

Other Protective Clothing & Equipment: Neoprene or PVC rain suit & boots in case of fire. Safety showers & eyewash stations should be available.

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

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Contain fluid by diking. Neutralize with soda ash or baking soda.

Waste Disposal Methods: Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance with local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Store in closed labeled containers. Keep in cool, metal free area for not more than one year.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Do not store near strong alkalies or other reactive materials.

SECTION 8 – TRANSPORTATION INFORMATION

US Department of Transportation

Shipping Name:	**CORROSIVE LIQUIDS,N.O.S., (Hydrochloric Acid)**
Hazard Class:	**8**
Label:	**CORROSIVE LIQUIDS,N.O.S., (Hydrochloric Acid),8,UN1760,PGIII**
Exemption:	**ON CONTAINERS OF 1 GL OR LESS CONTENT: ORM-D**

IMDG:

Proper Shipping Name:	**CORROSIVE LIQUIDS,N.O.S., (Hydrochloric Acid)**
Hazard Classification:	**8**
International Marine UN Number:	**1760**
Packing Group:	**III**
Subsidiary Hazard:	
Subsidiary Packing Group:	
MFAG Table No. :	
EMS No. :	
Flash point (test method)	
IMDG Page Number:	
Label:	**CORROSIVE LIQUIDS,N.O.S., (Hydrochloric Acid),8,UN1760,PGIII**

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