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-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 Drive Tupelo, MS 38803	**DOT Hazard Classification:** Non-Hazardous **Identity** (trade name as used on label)**:** **GRILL & OVEN CLEANER**
Date Prepared: 08/31/99 Prepared By: ML	**MSDS Number:** GRILL & OVEN 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 **
NON-IONIC SURFACTANT	68412-54-2	No	N/E	N/E	d
BUTYL CELLOSOLVE	111-76-2	Yes	25	25	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >212ºF	**Specific Gravity** (H2O=1): 1.07-1.08
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): N/D
Vapor Density (Air = 1): >1	**Evaporation Rate** (water = 1): >1 <2
Solubility in Water: Total	**Water Reactive:** No

Appearance and Odor: Clear, red liquid with butyl 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:** Not considered a combustible product.	**SPECIAL FIRE FIGHTING PROCEDURES:** Keep container cool with water; corrosive fluid could react with bare metal.

Unusual Fire & Explosion Hazards: Reaction of bare metal & this fluid could generate explosive hyrdrogen gas.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Bare or reactive metals.	**Conditions to Avoid:** Bare metals in the presence of elevated temperature.

Hazardous Decomposition Products: None identified.

SECTION 5 - HEALTH HAZARD DATA

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

ACUTE EFFECTS

Inhalation: No known adverse effect.

Eye Contact: Irritant	**Skin Contact:** Irritant

Ingestion: Can cause severe gastrointestinal irritation.

CHRONIC EFFECTS: Skin burns can occur with alkaline fluids.

Medical Conditions Generally Aggravated by Exposure: Repeated over-exposure may cause hemolysis of red blood cells leading to possible liver & kidney damage.

EMERGENCY FIRST AID PROCEDURES

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

Skin Contact: Wash with soap and water, neutralize with vinegar, rinse with water. If irritation persists, get medical attention.

Inhalation: Vapors not considered harmful under normal conditions.

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): None required.

Protective Gloves: Rubber or plastic.	**Eye Protection:** Eye shield or splash goggles.

Ventilation Requirements: Local exhaust is adequate.

Other Protective Clothing & Equipment: Apron and boots, if desired.

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: Contain spill and neutralize with a mild acid. Absorb on inert substance for disposal.

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.

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