

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-1; Reactivity-0; Special- - Manufacturer's Name: RITE-KEM, Inc. Address: 703 Westmoreland Dr. Address: Tupelo, MS 38801 CAGE 0VNV0 GSA GS-07F-0283J			HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B DOT Hazard Classification: Combustible Liquid Identity (trade name as used on label): <p style="text-align: center;">BIO-SOL</p>			
Prepared: 01/2005		Prepared By: ml		MSDS Number: BIO-SOL Revision - 2		
Information Calls: (662) 840-6060			NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			
EMERGENCY RESPONSE NUMBER: 1-800-424-9300 CHEMTREC						
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 **
MONOCYCLIC TERPENE		5989-27-5	No	N/E	N/E	d
Percentages and non-hazardous ingredients are trade secrets						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 350°F+		Specific Gravity (H ₂ O=1): 0.799				
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 1 @100°F				
Vapor Density (Air = 1): 6		Evaporation Rate (= 1): N/D				
Solubility in Water: Negligible		Water Reactive: No				
Appearance and Odor: Clear, orange colored liquid with pleasant citrus odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/D		Flammability Limits in Air by % in Volume: % LEL: NA % UEL: NA		
FLASH POINT AND METHOD USED (non-aerosols): 115°F TCC		SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined fire space without proper protective equipment including NIOSH approved self-contained breathing apparatus. Cool fire exposed containers, surrounding equipment & structures with water.				
EXTINGUISHER MEDIA: Water spray or fog, foam, dry chemical or CO ₂ . Do not use direct water stream.						
Unusual Fire & Explosion Hazards: None known.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Oxidizing materials.		Conditions to Avoid: Heat, sparks, open flame.				
Hazardous Decomposition Products: Oxides of carbon & unidentified organic compounds may be formed during combustion.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS: Toxicity: CNS depression producing headache, dizziness, nausea and loss of consciousness.						
Inhalation: High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes.						
Eye Contact: Slight irritation from short term contact. Prolonged & repeated contact more irritating.		Skin Contact: Prolonged & repeated liquid contact may result in irritation and dermatitis.				
Ingestion: May result in vomiting. Aspiration of vomitus into lungs must be avoided as lung contact can result in chemical pneumonitis and pulmonary edema.						
CHRONIC EFFECTS: None known.						
Medical Conditions Generally Aggravated by Exposure: Pre-existing irritation of skin or mucous membranes.						
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. If irritation persists, get medical attention.						
Inhalation: Remove to fresh air. Provide oxygen if breathing is difficult. 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): As required to prevent overexposure. NIOSH approved air purifying respirator for organic vapors or atmosphere-supplying respirator.						
Protective Gloves: As required to minimize skin contact.		Eye Protection: Safety glasses or goggles.				
Ventilation Requirements: Explosion proof ventilation as required to control vapor concentrations.						
Other Protective Clothing & Equipment: Clothing as required to minimize skin contact. 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: Contain spill. Keep out of surface waters & any sewers or water courses entering or leading to surface waters. Soak up with inert absorbent & place in properly labeled leak-proof containers 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 away from heat, open flame & oxidizing materials. 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.						

SECTION 8 – TRANSPORTATION INFORMATION

US Department of Transportation
Shipping Name: **CLEANING COMPOUND**
Hazard Class: **NON-HAZARDOUS**
Label: **NONE**

IMDG:
Proper Shipping Name: **TERPENE HYDROCARBONS, N.O.S.**
Hazard Classification: **3**
International Marine UN Number: **UN2319**
Packing Group: **III**
Subsidiary Hazard:
Subsidiary Packing Group:
MFAG Table No. :
EMS No. :
Flash point (test method) **115 TCC**
IMDG Page Number:
Label: **FLAMMABLE**
TERPENE HYDROCARBONS, N.O.S., 3, UN2319, PG III

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