

# 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						
<b>NFPA Rating:</b> Health-4; Flammability-0; Reactivity-0; Special- C-			<b>HMIS Rating:</b> Health-4; Flammability-0; Reactivity-0; Personal Protection-C			
Manufacturer's Name: <b>RITE-KEM, INC.</b> Address: 703 Westmoreland Drive Tupelo, Ms 38803-3454			DOT Hazard Classification: CORROSIVE			
CAGE 0VVN0 GSA GS-07F-0283J			Identity (trade name as used on label): <b>BIG BEAR</b>			
Date Prepared: 10/10/2007 Prepared By: ML			MSDS Number: BIG BEAR Revision - 5			
Information Calls: (662)840-6060 / (800)841-5351 EMERGENCY RESPONSE NUMBER: 1(800)424-9300			NOTICE: JUDGEMENT 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 **
BUTYL CELLOSOLVE		111-76-2	Yes	25	25	d
SODIUM HYDROXIDE		1310-73-23		2mg/M3	2mg/M3	
SODIUM METASILICATE		6834-92-0	No	N/E	N/E	d
Percentages and non-hazardous ingredients are trade secrets						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 100°C			Specific Gravity (H2O=1): 1.05			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): Not known			
Vapor Density (Air = 1): Not Known			Evaporation Rate ( water = 1): 1			
Solubility in Water: Miscible			Water Reactive: No			
Appearance and Odor: Water based clear, Light purple, non-viscous liquid with slight butyl cellosolve 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): Non-combustible			EXTINGUISHER MEDIA: Non-combustible. Use media compatible with surrounding fire.			
SPECIAL FIRE FIGHTING PROCEDURES: Non-combustible. Use procedures applicable to surrounding fire.						
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): Acids. Do not mix with liquids other than water.			Conditions to Avoid: None known.			
Hazardous Decomposition Products: Oxides of carbon, nitrogen, phosphorus, unidentified organic compounds.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS						
Inhalation: Highly irritating to respiratory tract & mucous membranes. Prolonged contact may result in tissue damage and/or destruction.						
Eye Contact: Highly irritating. May result in tissue damage and/or destruction.			Skin Contact: Highly irritating. May result in tissue damage and/or destruction.			
Ingestion: Highly irritating. May result in tissue damage and/or destruction.						
CHRONIC EFFECTS: Repeated tissue damage may result in accumulation of scar tissue.						
Medical Conditions Generally Aggravated by Exposure: Pre-existing irritation may be aggravated by contact.						
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. If irritation persists or other respiratory symptoms develop get medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink large quantity of water Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None normally required.						
Protective Gloves: Rubber, if desired.			Eye Protection: Safety Glasses and face shield.			
Ventilation Requirements: Normal ventilation is generally adequate.						
Other Protective Clothing & Equipment: Rubber boots & apron, if desired, eyewash stations and safety showers.						
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: Avoid skin or eye contact. Contain spill. Carefully neutralize with acetic acid. Soak up in absorbent material & place in properly labeled non-leaking containers for proper 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. Protect from freezing.						
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: CORROSIVE LIQUIDS,N.O.S., (Sodium Hydroxide)  
Hazard Class: 8  
Label: CORROSIVE LIQUIDS,N.O.S., (Sodium Hydroxide),8,UN1760,PGIII  
Exemption: ON CONTAINERS OF 1 GL OR LESS CONTENT: ORM-D

IMDG:  
Proper Shipping Name: CORROSIVE LIQUIDS,N.O.S., (Sodium Hydroxide)  
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., (Sodium Hydroxide),8,UN1760,PGIII

*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