

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-2; Flammability-0; Reactivity-0; Special- -			HMIS Rating: Health-2, Flammability-0; Reactivity-0; Personal Protection-B			
Manufacturer's Name: RITE-KEM, INC. Address: 703 Westmoreland Drive Tupelo, MS 38801			DOT Hazard Classification: Corrosive Material 8			
CAGE 0VVNO GSA GS-07F-0283J			Identity (trade name as used on label): BWT-101			
Date Prepared: 10/10/2007 Prepared By: ml			MSDS Number: bwt101 Revision - 9			
Information Calls: (662)840-6060			NOTICE: JUDGEMENT 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 **
SODIUM HYDROXIDE		1310-73-2	No	2mg/m3	2mg/m3	d
SODIUM SULFITE		7757-83-7	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): 1.16			
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): 1.0			
Solubility in Water: Miscible			Water Reactive: No			
Appearance and Odor: Clear, light amber liquid with no 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: None required.						
Unusual Fire & Explosion Hazards: Can react with aluminum to liberate hydrogen gas. If heated to decomposition may liberate oxides of sulfur, SOx, oxides of phosphorus, POx.						
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, aluminum surfaces.			Conditions to Avoid: None known			
Hazardous Decomposition Products: Oxides of sulphur, SOx, oxides of phosphorus, POx.						
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: Corrosive action on all body tissues.						
Inhalation: Inhalation of spray or mist is highly irritating to respiratory tract and 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. Prolonged contact may result in tissue damage and/or destruction.			
Ingestion: Highly irritating. Prolonged contact 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: Any irritated tissue present may be further irritated by exposure.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. Get medical attention.						
Skin Contact: Wash and rinse thoroughly with water. If irritation persists or ulceration develops, 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 solution of vinegar & water followed by clear water. Get medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None required.						
Protective Gloves: Rubber, if desired.			Eye Protection: Goggles or face shield.			
Ventilation Requirements: None required.						
Other Protective Clothing & Equipment: Rubber boots and apron, if desired. Eyewash stations and safety showers.						
Hygienic Work Practices: Do not eat or drink in work areas. Wash hands before using restroom facilities.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: DO NOT drain into sewers or surface waters. Soak up in absorbent material and place in properly labeled, sealed, non-leaking containers for proper authorized hazardous waste disposal.						
Waste Disposal Methods: Dispose of in accordance with all applicable local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original container. Keep container sealed when not in use. Protect from extreme cold.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read and 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