

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-0; Reactivity-0; Special - -			HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B		
Manufacturer's Name: K-CHEM, INC. Address: P.O.Box 530632 Birmingham, AL 35253			DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): K-CHEM 500 R.T.U.		
Date Prepared: 08/16/02 Prepared By: KH			MSDS Number: DG47B Revision - 8		
Information Calls: (205)592-0844 EMERGENCY RESPONSE NUMBER: 1(800)255-3924			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	OSHA PEL (ppm)	ACGIH TLV (ppm)	LDLo % MAX	SARA Carcinogen III LIST Ref. Source **
2 butoxy ethanol	111-76-2	50	25	1.59 g/kg 5%	yes d
sodium hydroxide	1310-73-2	2 mg/m3	2 mg/m3	500 mg/kg 2%	no d
sodium metasilicate	6834-92-0	2 mg/m3	2 mg/m3	1.76 g/kg 2%	no d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: 212 F			Specific Gravity (H2O=1): 1.07		
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols) (mm Hg) 17 mm		
Vapor Density (Air = 1): na			Evaporation Rate (butyl acetate=1) na		
Solubility in Water: soluble			Water Reactive: No		
Appearance and Odor: Clear blue liquid/ slight 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): TCC na			EXTINGUISHER MEDIA: not applicable		
SPECIAL FIRE FIGHTING PROCEDURES: non needed					
Unusual Fire & Explosion Hazards: products of combustion could contain carbon monoxide or carbon dioxide					
SECTION 4 - REACTIVITY HAZARD DATA					
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR		
Incompatibility (Mat. to avoid): none			Conditions to Avoid: None		
Hazardous Decomposition Products: not applicable					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: [] INHALATION [X] INGESTION [] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS					
ACUTE EFFECTS					
Inhalation: Not considered a hazard					
Eye Contact: Flush with water while holding eyelid away from eye. Get medical attention immediately.			Skin Contact: Wash with large amounts of water.		
Ingestion: NO NOT INDUCE VOMITING. Get emergency medical attention.					
CHRONIC EFFECTS: None known					
Medical Conditions Generally Aggravated by Exposure: None known					
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.					
Skin Contact: Rinse off thoroughly with water. If irritation persists, get medical attention.					
Inhalation: Remove to fresh air. If irritation persists or other symptoms develop, get medical attention.					
Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water followed by citrus juice or one ounce of vinegar in water. Follow with milk or olive oil. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection (specify type): Not required.					
Protective Gloves: Rubber, if desired.			Eye Protection: Glasses recommended. If splashing can occur wear full face shield.		
Ventilation Requirements: Use fans to insure sufficient air movement					
Other Protective Clothing & Equipment: Not required					

Hygienic Work Practices: Wash hands and face after handling and follow instructions on label.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Pick up spill with wet vacuum, scrub floor with water, send material to waste treatment site.

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 extreme heat and cold.

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*