

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-- Manufacturer's Name: K-CHEM, INC. Address: P.O.Box 530632 Birmingham, AL 35253			HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B DOT Hazard Classification: ORM-D Identity (trade name as used on label): K-CHEM 2000 SAFETY SOLVENT II			
Date Prepared: 10/03/01 Prepared By: AH/IB Information Calls: (205)592-0844 EMERGENCY RESPONSE NUMBER: 1(800)255-3924			MSDS Number: SO179B Revision: FIRST ISSUE 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 **
1-BROMOPROPANE*		106-94-5	No	NE	NE	d
*Manufacturer's Suggested Exposure Limit = 25 ppm over 8 hours						
MINERAL SPIRITS		64742-88-7	No	NE	NE	d
WARNING: This product contains a chemical or chemicals known to the State of California to cause birth defects or other reproductive harm.						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 300 degrees F			Specific Gravity (H2O=1): .91			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): .0.1mmHg			
Vapor Density (Air = 1): N/E			Evaporation Rate (= 1): N/D			
Solubility in Water: Negligible			Water Reactive: No			
Appearance and Odor: Thin colorless liquid with bromine 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: 1 % UEL: 6		
FLASH POINT AND METHOD USED (non-aerosols): .200 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 CO2. Do not use direct water stream.			
Unusual Fire & Explosion Hazards: Not known.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Oxidizing materials.			Conditions to Avoid: Heat, sparks, open flame.			
Hazardous Decomposition Products: Oxides of carbon & unidentified organics may be formed during combustion.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [] EYE [] 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 of 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 iritation of skin or mucous membranes.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.						
Skin Contact: Wash with soap and water. If irritated, seek 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. Kep 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