

# 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	
<b>NFPA Rating:</b> Health-2; Flammability-1; Reactivity-0; Special- - <b>Manufacturer's Name:</b> K-Chem, Inc. <b>Address:</b> P. O. Box 530632 Birmingham, AL 35253	<b>HMIS Rating:</b> Health-2; Flammability-1; Reactivity-0; Personal Protection-B <b>DOT Hazard Classification:</b> Not Regulated <b>Identity</b> (trade name as used on label): <b style="text-align: center;">K-CHEM 2004 SAFETY SOLVENT</b>
<b>Date Prepared:</b> 03/16/06 <b>Prepared By:</b> TR/IB <b>Information Calls:</b> (205)592-0844 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800)255-3924	<b>MSDS Number:</b> SO101 <b>Revision -</b> 4 <b>NOTICE:</b> JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES <small>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)</small>	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
<b>ALIPHATIC PETROLEUM DISTILLATE</b>	8052-41-3	No	100	100	d
<b>1-BROMOPROPANE*</b>	106-94-5	No	Not est.	Not est.	d
*Manufacturer's Suggested Exposure Limit = 25 ppm over 8 hours.					
<b>WARNING:</b> 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	
<b>Boiling Point:</b> 300°F	<b>Specific Gravity</b> (H2O=1): .91
<b>Vapour Pressure:</b> PSIG @ 70°F (Aerosols): N/A	<b>Vapour Pressure</b> (Non-Aerosols)(mm Hg and Temperature): >0.1mmHg
<b>Vapour Density</b> (Air = 1): 5	<b>Evaporation Rate</b> ( = 1): N/D
<b>Solubility in Water:</b> Negligible	<b>Water Reactive:</b> No
<b>Appearance and Odor:</b> Thin colorless liquid with bromine odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
<b>FLAMMABILITY</b> 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
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): >200°F TCC		<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> 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.
<b>EXTINGUISHER MEDIA:</b> Water spray or fog, foam, dry chemical or CO2. Do not use direct water stream.		
<b>Unusual Fire &amp; Explosion Hazards:</b> None known.		

SECTION 4 - REACTIVITY HAZARD DATA	
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR
<b>Incompatibility</b> (Mat. to avoid): Oxidizing materials.	<b>Conditions to Avoid:</b> Heat, sparks, open flame.
<b>Hazardous Decomposition Products:</b> Oxides of carbon & unidentified organics may be formed during combustion.	

SECTION 5 - HEALTH HAZARD DATA	
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS	
<b>ACUTE EFFECTS:</b> Toxicity: CNS depression producing headache, dizziness, nausea and loss of consciousness.	
<b>Inhalation:</b> High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes.	
<b>Eye Contact:</b> Slight irritation from short term contact. Prolonged & repeated contact more irritating.	<b>Skin Contact:</b> Prolonged & repeated liquid contact may result in irritation and dermatitis.
<b>Ingestion:</b> May result in vomiting. Aspiration of vomitus into lungs must be avoided as lung contact can result in chemical pneumonitis and pulmonary edema.	
<b>CHRONIC EFFECTS:</b> None known.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing irritation of skin or mucous membranes.	

EMERGENCY FIRST AID PROCEDURES	
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.	<b>Skin Contact:</b> Wash with soap and water. If irritation persists, get medical attention.
<b>Inhalation:</b> Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention.	
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
<b>Respiratory Protection (specify type):</b> As required to prevent overexposure. NIOSH approved air purifying respirator for organic vapors or atmosphere-supplying respirator.	
<b>Protective Gloves:</b> As required to minimize skin contact.	<b>Eye Protection:</b> Safety glasses or goggles.
<b>Ventilation Requirements:</b> Explosion proof ventilation as required to control vapor concentrations.	
<b>Other Protective Clothing &amp; Equipment:</b> Clothing as required to minimize skin contact. Eyewash station and safety shower.	
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> 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.	
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.	
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers away from heat, open flame & oxidizing materials. Keep closed when not in use. Shelf life 1 year. <b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.	
<b>Transportation Information:</b> IATA - Not regulated as a dangerous good; IMDG - Not regulated as a dangerous good; ADR - Not regulated as a dangerous good; RID - Not regulated as a dangerous good	

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