

# 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-3; Reactivity-0; Special-0			<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B			
Manufactured For: <b>K&amp;K CHEMICAL CO.</b> Address: 1303 Industrial Drive Royse City, TX 75189			<b>DOT Hazard Classification:</b> ORM-D  <b>Identity (trade name as used on label)</b> <b>VAMOOSE (A-179)</b>			
Date Prepared: 9/14/2001    Prepared By: JAM			<b>MSDS Number:</b> 178                      Revision- 11			
Information Calls: (800)958-6921 <b>EMERGENCY RESPONSE NUMBER: 1(800)424-9300 CHEMTREC</b>			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 **
TOLUENE		108-88-3	Yes	200	100	d
ACETONE		67-64-1	No	1000	750	d
ETHYLENE GLYCOL N-BUTYL ETHER		111-76-2	Yes	25	25	d
PROPANE		74-98-6	No	1000	1000	d
METHYL ETHYL KETONE		78-93-3	Yes	200	200	d
<b>WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.</b>						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> N/A			<b>Specific Gravity:</b> (H <sub>2</sub> O=1): Concentrate Only = .84			
<b>Vapor Pressure:</b> PSIG @ 70 F (Aerosols): Max.60			<b>Vapor Pressure:</b> (Non-Aerosols)(mm Hg and Temperature): N/A			
<b>Vapor Density:</b> (Air = 1): N/E			<b>Evaporation Rate:</b> ( = 1): N/E			
<b>Solubility in Water:</b> Partial			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Clear liquid, aromatic solvent odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b> <b>EXTREMELY FLAMMABLE</b>		<b>Auto Ignition Temperature</b> N/E		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E                      % UEL: N/E		
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> N/A			<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water.			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130 F or the container may rupture.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
<b>Incompatibility (Mat. to avoid):</b> Acids and strong oxidizers.			<b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks..			
<b>Hazardous Decomposition Products:</b> CO, CO <sub>2</sub> .						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
<b>ACUTE EFFECTS</b>						
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.						
<b>Eye Contact:</b> Irritation			<b>Skin Contact:</b> Irritation			
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs. Nausea.						
<b>CHRONIC EFFECTS:</b> (Effects due to excessive exposure to the raw materials of this mixture) May cause cardiac abnormality, liver abnormalities, kidney and/or lung damage. Lab animals have experienced anemia, liver, kidney, lung, blood damage to Glycol Ether EB.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.						
<b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.						
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.						
<b>Ingestion: DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapors.						
<b>Protective Gloves:</b> Rubber gloves.			<b>Eye Protection:</b> Safety glasses recommended.			
<b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.						
<b>Other Protective Clothing &amp; Equipment:</b> None						
<b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. Prevent from entering drains or sewers.						
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130 F.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources.						

*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 [t] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only