

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
<b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special--		<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B				
<b>Manufactured For:</b> K-Chem, Inc. Address: P.O. Box 530632 Address: Birmingham, AL 35253-0632		<b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <p style="text-align: center;"><b>BRAKE &amp; PARTS CLEANER II</b>  <b>Part number: SO34A</b></p>				
Phone: 205-592-0844		<b>MSDS Number:</b> A00734		Revision- 13		
<b>CHEMTEL D.O.T. EMERGENCY RESPONSE NUMBER: 800-255-3924</b> <b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>		Date Prepared: 11/09/05		Prepared By: TR/IB		
Information Calls: (205)592-0844						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
HEPTANE		142-82-5	No	500	400	d
ALCOHOL:						
ETHANOL or		64-17-5	No	1000	1000	d
ISOPROPANOL		67-63-0	No	400	400	d
CARBON DIOXIDE		124-38-9	No	5000	5000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> N/A		<b>Specific Gravity (H2O=1):</b> Concentrate Only = 0.675				
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): 80-100		<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/A				
<b>Vapor Density (Air = 1):</b> N/E		<b>Evaporation Rate ( = 1):</b> N/E				
<b>Solubility in Water:</b> None		<b>Water Reactive:</b> No				
<b>Appearance and Odor:</b> Clear forceful spray with aliphatic solvent odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) EXTREMELY FLAMMABLE		<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</b> (non-aerosols): N/A		<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide.				
<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> [ X ] STABLE [ ] UNSTABLE		<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR				
<b>Incompatibility</b> (Mat. to avoid): Strong oxidizing agents.		<b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.				
<b>Hazardous Decomposition Products:</b> Carbon dioxide, carbon monoxide.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS						
ACUTE EFFECTS						
<b>Inhalation:</b> Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation.						
<b>Eye Contact:</b> Slight irritation.			<b>Skin Contact:</b> Slight irritation due to defatting of skin.			
<b>Ingestion:</b> Irritation.						
<b>CHRONIC EFFECTS:</b> (Effects due to excessive exposure to the raw materials of this mixture) Excessive inhalation may result in central nervous system effects.						
<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:</b> DO NOT INDUCE VOMITING. 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 NIOSH approved for organic vapor.						
<b>Protective Gloves:</b> Neoprene			<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.						
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. DO NOT FLUSH TO SEWER.						
<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.						

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

**THIS MSDS IS CURRENT AS OF November 23, 2009.** The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.