

# 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-0; Reactivity-0; Special- Alkaline		<b>Health: 2 Fire: 0 Reactivity: 0 Pers. Protection: B Spec Haz: Alkaline</b>				
Manufacturer's Name: <b>VERAX CHEMICAL CO.</b>		<b>DOT Hazard Classification:</b> Non-Hazardous				
Address: 20102 Broadway Ave. Snohomish, WA 98296		<b>Identity</b> (trade name as used on label): <b>SPRAY &amp; KLEEN</b>				
Date Prepared: 03/7/2003 Prepared By: GP		<b>MSDS Number:</b> SPRAY & KLEEN		Revision -2		
Information Calls: (425)481-5353		NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA				
<b>EMERGENCY RESPONSE NUMBER: 1(425)481-5353</b>						
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 **
Ethylene glycol Monobutyl Ether				25	25	
Small amounts of alkaline builders – Identity is a trade secret				NE	NE	
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> 220°F		<b>Specific Gravity</b> (H <sub>2</sub> O=1): 1.04				
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Similar to water		<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): Similar to water				
<b>Vapor Density</b> (Air = 1): Similar to water		<b>Evaporation Rate</b> (water = 1): 1				
<b>Solubility in Water:</b> Complete		<b>Melting Point</b> ca 30°F				
<b>Appearance and Odor:</b> fluorescent Yellow-Green. Lemon with slight butyl odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A % UEL: N/A		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): None		<b>EXTINGUISHER MEDIA:</b> Will not burn				
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> None						
<b>Unusual Fire &amp; Explosion Hazards:</b> None						
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</b> (Mat. to avoid): Concentrated acids.		<b>Conditions to Avoid:</b>				
<b>Hazardous Decomposition Products:</b> Thermal decomposition may produce carbon monoxide and/or carbon dioxide.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b> Headache, nausea, dizziness, and vomiting may result from breathing high vapor concentrations for a prolonged period, or from absorption through skin after prolonged contact. Vapors may be irritating to breathe. Very irritating to eyes on contact. Also a severe skin irritant. If ingested, may cause burns of the mucous membranes of mouth, throat, esophagus and stomach.						
<b>CHRONIC EFFECTS:</b> None Known.						
<b>Carcinogens:</b> None Known to be present						
<b>Signs and Symptoms of Exposure:</b> Headache, nausea, dizziness, or vomiting. Eye or skin irritation. Respiratory irritation.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> None known.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes while lifting eyelids. If irritation persists, call a physician.						
<b>Skin Contact:</b> Wash with soap and water. Remove contaminated clothing. Launder before re-use. If irritation persists, call a physician.						
<b>Inhalation:</b> Remove to fresh air. If not breathing give artificial respiration and call a physician.						
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink large amount of water or milk. Follow with dilute vinegar or fruit juice. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> None required if adequate ventilation is maintained.						
<b>Protective Gloves:</b> Rubber recommended.		<b>Eye Protection:</b> Splash goggles or face shield.				
<b>Ventilation Requirements:</b> Normal room ventilation is generally adequate.						
<b>Other Protective Clothing &amp; Equipment:</b> None. Do not wear clothes soaked by product.						
<b>Hygienic Work Practices:</b> Ordinary good housekeeping procedures. Wash hands after handling and before eating or using restroom facilities. Avoid food contamination.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Small spills should be flushed with plenty of water. Larger spills should be collected for disposal. Caution: Spilled material may be slippery.						
<b>Waste Disposal Methods:</b> Waste Disposal Method: Biodegradable. Flush to sewer or absorb with suitable medium and incinerate or landfill according to local, state, and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> All normal precautions. Avoid food contamination.						
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Read & follow label directions. Spilled material may be slippery.						

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