

# 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-3; Flammability-0; Reactivity-0; Special- -			<b>HMS Rating:</b> Health-2; Flammability-0; Reactivity-0; Personal Protection-B			
<b>Manufactured For:</b> Triple S Address: 2 Executive Park Dr. Address: Billerica, MA 01862			<b>DOT Hazard Classification:</b> Corrosive liquid, NOS 8 <b>Identity</b> (trade name as used on label): <b>Coil Cleaner 4</b> <b>Coil Cleaner 4</b>			
Phone: 978-667-7900			<b>MSDS Number:</b> WT 417      Revision -2			
Emergency Response Number: 1-800-255-3924			Date Prepared: 09/12/94      Prepared By: ES/IAB			
<b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>						
<b>SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION</b>						
<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 **
<b>SODIUM HYDROXIDE</b>		1310-73-2	No	2mgm/m3	2mgm/m3	d
<b>TRIETHANOLAMINE</b>		102-71-6	No	3 TWA	3 TWA	d
<b>SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS</b>						
<b>Boiling Point:</b> >212°F			<b>Specific Gravity (H2O=1):</b> 1.07-1.08			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/D			
<b>Vapor Density (Air = 1):</b> >1			<b>Evaporation Rate (water = 1):</b> >1 <2			
<b>Solubility in Water:</b> Total			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Clear, yellow liquid with slightly sweet odor.						
<b>SECTION 3 - FIRE AND EXPLOSION HAZARD DATA</b>						
<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>SPECIAL FIRE FIGHTING PROCEDURES:</b> Keep container cool with water; corrosive fluid could react with bare metal.			
<b>EXTINGUISHER MEDIA:</b> Not considered a combustible product.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Reaction of bare metal & this fluid could generate explosive hydrogen gas.						
<b>SECTION 4 - REACTIVITY HAZARD DATA</b>						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR			
<b>Incompatibility</b> (Mat. to avoid): Bare or reactive metals. Soft metals such as aluminum.			<b>Conditions to Avoid:</b> Bare metals in the presence of elevated temperature.			
<b>Hazardous Decomposition Products:</b> None identified.						
<b>SECTION 5 - HEALTH HAZARD DATA</b>						
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ X ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
<b>ACUTE EFFECTS</b>						
<b>Inhalation:</b> No known adverse effect.						
<b>Eye Contact:</b> Extremely Irritating. Can cause conjunctiva burning.			<b>Skin Contact:</b> Irritant			
<b>Ingestion:</b> Can cause severe gastrointestinal irritation.						
<b>CHRONIC EFFECTS:</b> Skin burns can occur with alkaline fluids.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> None identified.						
<b>EMERGENCY FIRST AID PROCEDURES</b>						
<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, neutralize with vinegar, rinse with water. If irritation persists, get medical attention.						
<b>Inhalation:</b> Vapors not considered harmful under normal conditions.						
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink 3 to 4 glasses of water. Get immediate medical attention.						
<b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b>						
<b>Respiratory Protection (specify type):</b> None required.						
<b>Protective Gloves:</b> Rubber or plastic.			<b>Eye Protection:</b> Eye shield or splash goggles.			
<b>Ventilation Requirements:</b> Local exhaust is adequate.						
<b>Other Protective Clothing &amp; Equipment:</b> Apron and boots, if desired.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.						
<b>SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE</b>						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain spill and neutralize with a mild acid. Absorb on inert substance 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. Keep closed when not in use. Shelf life 1 year.						
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> 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  
**THIS MSDS IS CURRENT AS OF JANUARY 10, 2000.** The DATE PREPARED section is the original date assembled and remains current until a change is necessary.