

MATERIAL SAFETY DATA SHEET

COIL KLEEN

Catalog No.: SCM-706

SECTION I-IDENTIFICATION

HMIS DATA	
HEALTH 2	0= MINIMAL
FIRE 0	1= SLIGHT
REACTIVITY 1	2= MODERATE
	3= HIGH
	4= EXTREME

**MANUFACTURED BY:** Specialty Chemical Manufacturing  
**ADDRESS:** 115 W. Clark Street  
 Quincy, FL 23251  
**EMERGENCY Phone No. 800-255-3924** Chem-Tel (Chemical Emergencies Only)  
**PHONE NUMBER FOR INFORMATION: 850-875-1716** Fax: **904-366-2690**  
**DATE REVISED:** 7/11/2003  
**NAME OF PREPARER:** ANTHONY E. JERNIGAN

SECTION II HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO	OSHA PEL	ACIGH TLV	OTHER STEL	% or RNG
Hydrochloric acid	7647-01-1		5 ppm		<20
Phosphoric acid	7664-38-2	1 ppm			<10

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >212° F Specific gravity (H<sub>2</sub>O = 1): 1.09  
 Vapor pressure (mm Hg): 55 @ 77° F Melting Point (Pour Point): <32° F  
 Vapor Density (Air = 1): 1.27 Evaporation Rate (Water = 1): ~ 1  
 Solubility in water: Water miscible  
 Appearance and odor: Clear red liquid; astringent, acid odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None Flammable Limits: None

Extinguishing media: Not applicable

**Special Fire Fighting Procedures:** Liquid and mists are irritating and corrosive. Wear full protective gear including self-contained breathing apparatus. Keep containers cooled with a water spray if involved in a fire.

**Unusual Fire and Explosion Hazards:** This product can react with metals and release hazardous quantities of hydrogen gas.

SECTION V – REACTIVITY DATA

Stability-Stable Conditions to avoid: None

Incompatibility (Materials to avoid): Metal containers, strong oxidizers, strong alkalis

Hazardous Decomposition or Byproducts: Hydrogen gas, SO<sub>2</sub>

Hazardous Polymerization: Will not occur.

## COIL KLEEN MSDS

### SECTION VI- HEALTH HAZARD DATA

**Routes of Entry:** Inhalation: yes (mists) Skin: yes Ingestion: yes Eyes: yes

**Health Hazards** (acute and chronic): This product is irritating and mildly corrosive to skin, eyes and mucous membranes.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

**Signs and symptoms of exposure:**

Inhalation: Breathing mists or vapors may irritate irritation to throat and lungs.

Skin: Irritating. Prolonged contact may result in chemical burns.

Ingestion: **Do not take internally.** Irritating. May cause chemical burns to mouth throat and digestive tract.

Eyes: May cause eye irritation, mild to severe burning, redness or tearing. Prolonged contact may cause chemical burns or tissue damage.

**Medical Conditions Aggravated by Exposure:** Contact or breathing mists may exacerbate existing skin or respiratory disorders.

**Emergency and First Aid Procedures:**

Eyes: Flush with water for 15 minutes while lifting the eyelids to irrigate the area behind the lid.

Consult a physician if immediately after administering first aid!

Skin: Remove contaminated clothing. Wash the affected area with soap and water. Launder or dry-clean clothes before reuse. Discard contaminated leather articles. If burning or irritation develops or persists, get medical attention.

Inhalation: Evacuate to a safe area with plenty of fresh air. Allow the affected individual to rest in a well-ventilated area. If irritation persists, seek medical aid immediately.

Ingestion: DO NOT induce vomiting. Drink 3-4 glasses of water and contact the nearest poison control center. If vomiting occurs, keep the head lower than the hips to prevent aspiration.

### SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

**Steps to be taken if material is spilled or released:** Wear recommended protective clothing. Remove contaminated garments promptly. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

DO NOT contaminate municipal sewers or other open bodies of water with runoff.

**Waste disposal methods:** Bury in an approved landfill in accordance with governmental regulations, or consign recovered material to a licensed hazardous waste contractor.

**Handling and storage:** Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool, well-ventilated area.

Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations.

Keep this and all chemicals out of the reach of children.

## COIL KLEEN MSDS

### SECTION VIII – CONTROL MEASURES

**Respiratory Protection:** Use in a well-ventilated area. If vapor or mist is being generated and exceeds the TLV, use an air purifying respirator with an acid gas cartridge, and follow a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements.

**Ventilation:** Local exhaust is recommended when used in enclosed areas.

**Protective Gloves:** Neoprene or other materials may be used if there is documented evidence of compatibility. Use as necessary to prevent skin contact.

**Eye protection:** Wear safety glasses (ANSI Z87.1) or approved equivalent, or chemical splash goggles as necessary to minimize eye contact hazards.

**Other Protective Clothing:** Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

**Work Hygienic Practices:** Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

### SECTION IX – ADDITIONAL INFORMATION

#### Transportation Information:

DOT DESCRIPTION: Corrosive liquid, acidic, inorganic, NOS (contains hydrochloric acid and phosphoric acid), Class 8, UN3264, PGIII

DOT HAZARD LABEL: Corrosive

TSCA: All ingredients are TSCA approved.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required

Section 304: Hazardous releases reporting not required

Section 311: Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

Section 312: R-T-K Inventory data reporting is not required.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.