

# MATERIAL SAFETY DATA SHEET

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## I-PRODUCT IDENTIFICATION

### COIL-X (ACID)

PRODUCT CODE: #060

CHEMICAL FORMULATION: COIL CLEANER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: FLAMMABILITY: REACTIVITY:

HAZARD RATING: 4-Extreme; 3-High; 2-Moderate; 1-Slight; 0-Insignificant

## II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	ACGIH TWA	ACGIH STEL	OSHA PEL	OTHER RECOMMENDED LIMITS
NON-IONIC SURFACTANT	9016-45-9				
MURIATIC ACID	7647-01-0				
ACID INHIBITOR 60S: (PROPARGYL ALCHOL + ISOPROPYL ALCOHOL) (CAS# 107-19-7 + CAS # 67-63-0)					
WATER	7732-18-5				

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4)

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40CFR 372).

## III-PHYSICAL DATA

BOILING POINT (°F): N/A MELTING POINT: N/D  
VAPOR PRESURE (mm Hg): N/A SPECIFIC GRAVITY (WATER=1): 1.09  
VAPOR DENSITY (AIR=1): N/A VOC CONTENT (% by weight): N/A  
SOLUBILITY IN WATER: EXCELLENT-COMPLETE EVAPORATION RATE (Butyl Acetate=1): N/A  
pH:  
APPEARANCE AND ODOR: RED COLOR, CLEAR LIQUID

## IV-FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): N/A

FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: WATER, FOAM OR DRY CHEMICALS

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING

UNUSUAL FIRE AND EXPLOSION HAZARD: NOT FLAMMABLE, BUT REACTS WITH COMMON METALS GENERATING HYDROGEN GAS, WHICH MAY CAUSE FIRE OR EXPLOSION.

**V-REACTIVITY DATA**

**STABILITY:** STABLE

**INCOMPATIBILITY:** KEEP AWAY FROM OXIDIZING AGENTS

**CONDITIONS TO AVOID:**

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** N/A

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS TO AVOID:** N/A

**VI-HEALTH AND HAZARD DATA**

**ROUTES OF ENTRY**

**INHALATION:**

**SKIN:**

**INGESTION:**

**CARCINOGENICITY:** N/A **NTP?** N/A **IARC MONOGRAPHS?** N/A **OSHA REGULATED?** N/A

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** CAUSES BURNS

**IF ON SKIN:** CAUSES BURNS

**IF SWALLOWED:**

**IF INHALED:** LARGE AMOUNTS OF FUMES WILL CAUSE IRRITATION TO NOSE AND THROAT

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** WASH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION

**IF ON SKIN:** FLUSH WITH LARGE AMOUNTS OF WATER USING SOAP FREELY.

**IF SWALLOWED:** DRINK MAGNESIA, CHALK OR SMALL PIECES OF SAFTENED SOAP WITH WATER, MILK OR RAW EGG WHITES. IF THESE ARE NOT AVAILABLE. DRINK LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION

**IF INHALED:**

**VII-SPILL AND LEAK PROTECTION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** USE PROTECTIVE EQUIPMENT TO AVOID BREATHING VAPORS, OR SKIN CONTACT. NEUTRALIZE SPILL WITH SODA ASH. SCOOP-UP SLURRY. FLUSH REMAINDER WITH WATER.

**WASTE DISPOSAL METHOD:** DISPOSE OF IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

**VIII – SPECIAL PROTECTION INFORMATION**

**VENTILATION:** **LOCAL EXHAUST:** USE ADEQUATE VENTILATION TO KEEP BELOW TLV **SAFETY SHOWER MECHANICAL (GENERAL):** NOT REQUIRED **SPECIAL:** NOT REQUIRED  
**OTHER:** EYE WASH

**RESPIRATORY PROTECTION:** NONE REQUIRED

**PROTECTIVE GLOVE:** ACID RESISTANT GLOVES

**EYE PROTECTION:** CHEMICAL GOGGLES OR FACE SHIELD

**OTHER PROTECTIVE EQUIPMENT:** ACID RESISTANT APRON AND BOOTS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** AVOID CONTACT WITH SKIN OR EYES WHEN STORING MAKE SURE CONTAINERS ARE NOT TO FULL. UNDER EXTREMELY HOT CONDITIONS, ALLOW FOR EXPANSION.

**OTHER PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN

**WORK/HYGIENIC:** N/A

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