

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888
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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 (oF): 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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Prepared By:

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