

MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.
5731 Manchester Ave., St. Louis, MO 63110



DATE OF ISSUE: January, 05, 2006

GENERAL INFORMATION # : 314-647-1888
EMERGENCY TELEPHONE # : (800) 854-4236

I-PRODUCT IDENTIFICATION

CHEM-OX

PRODUCT CODE: 044, 044A

CHEMICAL FORMULATION: INHIBITED ACID CONCRETE, CEMENT & GROUT CLEANER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1

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

II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% optional
NONIONIC SURFACTANT (CAS # 9016-45-9)				
HYDROCHLORIC ACID (CAS # 7647-01-0)				
ACID INHIBITOR 60S : (PROPARGYL ALCOHOL + ISOPROPYL ALCOHOL) (CAS # 107-19-7 + CAS # 67-63-0)				
WATER (CAS # 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) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (°f): N/A	MELTING POINT: N/A
VAPOR PRESSURE (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: COMPLETE	EVAPORATION RATE (Butyl Acetate =1): N/A
APPEARANCE AND ODOR: ALMOND ODOR	pH: 1.0

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): NOT APPLICABLE (TEST METHOD):
FLAMMABLE LIMITS IN AIR (VOLUME %): N/A UPPER: N/A LOWER: 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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CHEM-OX

PRODUCT CODE: 044, 044A

V - REACTIVITY DATA

STABILITY:	STABLE
INCOMPATIBILITY:	KEEP AWAY FROM OXIDIZING AGENTS
CONDITIONS TO AVOID:	DO NOT MIX WITH BLEACH TYPE PRODUCTS. ALKALIS
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:	EYE CONTACT:	SKIN CONTACT:	INGESTION:
HEALTH HAZARDS:			
CARCINOGENICITY: N/A	NTP? N/A	IARC MONOGRAPHS? N/A	OSHA REGULATED? N/A

EFFECTS OF OVEREXPOSURE

- IF IN EYES:** CAUSES BURNS TO EYES
- IF ON SKIN:** CAUSES BURNS TO SKIN
- IF SWALLOWED:** N/A
- IF INHALED:** LARGE AMOUNTS OF FUME 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 MAGNESTA, CHALK OR SMALL PIECES OF SOFTENED SOAP WITH WATER, MILK OR RAW EGG WHITE IF THESE ARE NOT AVAILABLE DRINK LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.
- IF INHALED:** N/A

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

PROTECTIVE GLOVES: 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 PRACTICES: N/A

REVISION DATE: January 05, 2005

Prepared By:

DATE OF ISSUE: January 05, 2005

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Chemco Industries assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.