

HAZARD RATING

4=EXTREME
 3=HIGH
 2=MODERATE
 1=SLIGHT
 0=INSIGNIFICANT

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. OP109



Performance Construction Chemicals

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GENERAL INFORMATION

PRODUCT IDENTIFICATION: CERTI-VEX[®] CONCRETE RUST & STAIN REMOVER
COMMON NAME: PHOSPORIC ACID SOLUTION
DOT SHIPPING NAME: IN CONTAINERS LESS THAN 119 GALS AND GREATER THAN 119 GALS: (KEEP AWAY FROM FOOD), 8, (CORROSIVE LIQUID), UN 2853, III
HEALTH AND SAFETY: CORROSIVE PRODUCT, HAZARDOUS ACID: ORAL POISON FIRE MAY PRODUCE IRRITATING OR POISONOUS GAS: USE OF IMPERMEABLE GLOVES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT.

SECTION I

MANUFACTURER: VEXCON CHEMICALS
EMERGENCY NO: 1-800-858-2828
CHEMTREC NO: 1-800-424-9300
TELEPHONE NO: 1-215-332-7709
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PREPARED: FEBRUARY 1996
UPDATED: OCTOBER 2003
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SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS OCCUPATIONAL EXPOSURE LIMITS

VAPOR PRESSURE MM HG @ TEMP WEIGHT PERCENT

Glycol Etthers 3-8% None established Phosphoric acid 24-40%
 TWA 1 mg/m³ No other components are believed to be hazardous, are listed in the NIOSH Recommendations for Occupational safety and Health Standards 1998, or are regulated chemicals under SARA, CERCLA, or RCRA. No OSHA PELs are established for any ingredients.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 213^o F **MELTING POINT:** DECOMPOSES
VAPOR PRESSURE: MM/HG: SAME AS WATER
SPECIFIC GRAVITY (H2O=1): 1.01 AT 20°C
% VOLATILES BY VOL: 70% H2O
SOLUBILITY IN H2O % BY WT: 100%
EVAPORATION RATE (BUOH=1): <1
 PH (AS IS): 3.0 HAZARDOUS ACID
APPEARANCE AND ODOR: STRAW COLOR; NEUTRAL ODOR

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: N/A
AUTOIGNITION TEMPERATURE: N/A
FLAMMABLE LIMITS IN AIR: % BY VOL: N/A
LOWER: NA **UPPER:** NA
EXTINGUISHING MEDIA: NON FLAMMABLE. EXTINGUISH SOURCE OF FIRE. CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus; consult local Fire Marshal
UNUSUAL FIRE AND EXPLOSION HAZARD: NONE

SECTION V REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: PRODUCT IS STABLE. IF HEATED TO DRYNESS, CAN DECOMPOSE TO TOXIC GASES.
INCOMPATIBILITY: THIS PRODUCT IS INCOMPATIBLE WITH HIGH BASIC OR CAUSTIC MATERIALS MEDIUM AND STRONG ALKALINE MIXTURES.
HAZARDOUS DECOMPOSITION OR BY PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE.
CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION: N/A WILL NOT OCCUR.

SECTION VI HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE:
INHALATION HEALTH RISKS AND SYSTEMS OF EXPOSURE: WILL CAUSE IRRITATION OF THE THROAT, DROWSINESS, DIZZINESS, AND HEADACHE WITH EXPOSURE TO CONCENTRATED VAPORS. HAZARD EVALUATED AS LOW.
SKIN AND EYE CONTACT: LIQUID HAS A MEDIUM ACITVY WITH PH3. CONTACT WILL CAUSE REDDENING OF THE SKIN, SCALING AND DETMATITIS. HAZARD EVALUATED LOW UNDER ORDINARY CONDITIONS OF USE. LIQUID IS A CONTACT IRRITANT AND WILL CAUSE CORNEAL DAMAGE.
SKIN ABSORPTION: SEE ABOVE
INGESTION/INHALATION: NAUSEA, DIARRHEA, INGESTION CAN BE FATAL
EFFECTS OF OVEREXPOSURE: CAUSES IRRITATION OF SKIN AND EYES. ULCERATION'S CAN FOLLOW IS NORMAL PROTECTIVE AND SANITARY MEASURES ARE NOT FOLLOWED. CHRONIC OVEREXPOSURE MAY CAUSE OSTEOFUORSIS AND PERMANENT RESPIRATORY IMPAIRMENT.
ACUTE OVEREXPOSURE: FATALITIES CAN OCCUR FROM INGESTION.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, TAKE TO A PHYSICIAN FOR TREATMENT. IF SWALLOWED: OBTAIN MEDICAL ATTENTION IMMEDIATELY.

SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.

INHALATION: REMOVE TO FRESH AIR, GIVE CPR IF UNCONSCIOUS.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

COLLECT WITH ABSORBENT MATERIAL OR PICK UP MECHANICALLY. RINSE AFFECTED AREA WITH WATER.

WASTE DISPOSAL METHOD: TREATMENT. IF LIQUID IS NEUTRALIZED, DISPOSE AS NON-HAZARDOUS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE AT AMBIENT TEMPERATURE IN CLOSED CONTAINER TO PREVENT EVAPORATION. MAY BE STORED IN TEMPERATURES FROM 40F TO 140F WITHOUT DETERIORATION.

OTHER PRECAUTIONS: "DO NOT TAKE INTERNALLY." "AVOID PROLONGED SKIN CONTACT." PRODUCT IS A STRONG CLEANER AND DEGREASER IN AN ACIDIC SOLUTION. THE PRODUCT SHOULD BE HANDLED WITH CARE AND USED ONLY FOR ITS INTENDED PURPOSE.

FOR INDUSTRIAL USE ONLY.

SECTION VIII CONTROL MEASURES

VENTILATION REQUIREMENTS: USE WITH GOOD CROSS VENTILATION.

RESPIRATORY (SPECIFY IN DETAIL): DUST FILTER MASK OR RESPIRATOR. IN CONFINED SPACES USE RESPIRATOR APPROPRIATE TO SUBSTANCE BEING CLEANED.

EYES: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED, IF NEEDED TO PREVENT REASONABLE PROBABILITY OF EYE CONTACT.

GLOVES: WEAR RESISTANT GLOVES SUCH AS NITRILE RUBBER, IF DOING PROLONGED CLEANING BY HAND.

OTHER CLOTHING AND EQUIPMENT: TO TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS APRONS ARE A RECOMMENDATION WHEN WORKING WITH THIS PRODUCT.

WORK/HYGIENIC PRACTICES: OBSERVE STANDARD GENERAL WORK PRACTICES REGARDING INGESTION,EYE CONTACT,AND INHALATION. FOLLOW COMPANY GUIDELINES. WASH HANDS BEFORE EATING OR USING THE WASHROOM.

SECTION IX SPECIAL PRECAUTIONS

THIS IS AN ACIDIC SOLUTION (pH-2.50) A HAZARDOUS ACID.

PRECAUTIONARY STATEMENTS: PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE, REMOVE SATURATED APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE RE-USE . CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

HMSI HAZARD RATINGS:

	NPCA-HMI	NFPA 704	KEY
HEALTH	1	2	4=SEVERE
FLAMMABILITY	2	0	3=SERIOUS
REACTIVITY	0	1	2=MODERATE
			1=SLIGHT
			0=MINIMAL

ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)FEDERAL:FDA:USDA:TSCA: IS THIS PRODUCT, OR ALL IT'S INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORYOF CHEMICAL SUBSTANCES? YES

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