

**HAZARD RATING**

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

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>

**MATERIAL SAFETY DATA SHEET**  
**VEXCON NO. PV150**



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**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** PAVER RENEU RUST & STAIN REMOVER  
**COMMON NAME:** PHOSPHORIC ACID SOLUTION  
**DOT SHIPPING NAME:** IN CONTAINERS LESS THAN 1.3 GALS., NOT REGULATED. GREATER THAN 1.3 GALS. (AND AIRCRAFT): PHOSPHORIC ACID LIQUID, 8, (CORROSIVE LIQUID), UN 1805, 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  
**ADDRESS:** 7240 STATE RD., PHILA. PA 19135  
**PREPARED:** FEBRUARY 1996  
**UPDATED:** APRIL 2005  
**PREPARED BY:** DARRYL F. MANUEL

**SECTION II HAZARDOUS INGREDIENTS**

**HAZARDOUS COMPONENTS OCCUPATIONAL EXPOSURE LIMITS**

**VAPOR PRESSURE MM HG @ TEMP WEIGHT PERCENT**

Glycol Ethers 3-8% None established Phosphoric acid 24-40%  
 TWA 1 mg/m<sup>3</sup> 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<sup>o</sup> 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 ACITIVY 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 OSTEOFLUORSIS 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.

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**SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE**  
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**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.**

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**SECTION VIII CONTROL MEASURES**  
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**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 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.

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**SECTION IX SPECIAL PRECAUTIONS**  
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**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.

**HMS 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 INVENTORY OF CHEMICAL SUBSTANCES? YES

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