



HAZARD RATING

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

HEALTH	2
FLAMMABILITY	2
REACTIVITY	1

MATERIAL SAFETY DATA SHEET
VEXCON NO. CP107 Part A Color

GENERAL INFORMATION

PRODUCT IDENTIFICATION: POWER[®] COAT UV+ PART A PIGMENTED
VOC CONTENT: AS APPLIED: 229 GRAMS/LITER OR 1.91#/GAL
Part A only: 244 g/L or 2.03#/gal Part B only: 165 g/L or 1.37#/gal
CATEGORY: CONCRETE PROTECTIVE COATING OR STAIN CALIFORNIA
COMMON NAME: URETHANE ACRYLIC COATING
DOT SHIPPING NAME: IN CONTAINERS LESS THAN 119 GALS:
RESIN SOLUTION, FLAMMABLE, 3 UN 1866, II:
IN CONTAINERS GREATER THAN 119 GALS: RQ, RESIN SOLUTION,
FLAMMABLE, 3, UN 1866, II
FOR LIMITED QUANTITY AIR & OCEAN SHIPMENT: RQ (TERT BUTYL ACETATE)
RESIN SOLUTION, FLAMMABLE, 3, UN1866, III
HEALTH AND SAFETY: THIS IS A SOLVENT BASED PRODUCT: USE ONLY
WITH ADEQUATE VENTILATION; IF SWALLOWED, DO NOT INDUCE
VOMITING; USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND
OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS
PRODUCT. COMBUSTIBLE LIQUID.

SECTION I

MANUFACTURER: VEXCON CHEMICALS
EMERGENCY NO.: 1-800-858-2828
CHEMTREC NO.: 1-880-424-9300
TELEPHONE NO.: 1-215-332-7709
ADDRESS: 7240 STATE RD., PHILA, PA 19135
PREPARED: JUNE 2009
PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS#	%	HAZARD DATA	UN#
STYRENE ACRYLATE POLYMER	25036-16-2		ND	
AR 100 SOLVENT WHICH CONTAINS HYDROCARBONS	64742-95-6		TLV 50 PPM 1255 OSHA HAZARD: COMBUSTIBLE NOT ESTABLISHED	
1,2,4 TRIMETHYLBENZENE			OSHA PEL: ACGIH TLV/TWA 25 ppm	
XYLENE			OSHA PEL: ACGIH TLV/TWA 100 ppm	
CUMENE			OSHA PEL: ACGIH TLV/TWA 50ppm	
TERT BUTYL ACETATE	540-88-5		OSHA HAZARD: ACGIH TLV: 200 ppm	
CALCIUM CARBONATE	1317-65-3	16%		

THE AR100 SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:

COMPONENT	CAS NO	MAXIMUM% OF AR100 COMPONENT
TRIMETHYLBENZENE	95-63-6	20%
CUMENE	98-82-8	1.0%
XYLENE	1330-20-7	1.75%

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 98° C
MELTING POINT: N/A
SPECIFIC GRAVITY: 1.05
VAPOR PRESSURE: 181mm Hg @ 20° C
VAPOR DENSITY (AIR=1): 2.0
SOLUBILITY IN H2O % BY WT: 0.5%
% VOLATILES BY VOL: 52% H (AS IS): NA PH (1% SOLN): NA
EVAPORATION RATE (BUOH=1): 2.8
APPEARANCE AND ODOR: PAINT MATERIAL ACETATE ODOR

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: (TEST METHOD): 4.4°C / 40°F /TCC
AUTOIGNITION TEMPERATURE: 465°C / 869° F
FLAMMABLE LIMITS IN AIR: % BY VOL: ND **LOWER:** 1.26 **UPPER:** 6.88%
EXTINGUISHING MEDIA: FIRES INVOLVING THIS PRODUCT ARE UNLIKELY, BUT SHOULD ONE OCCUR, IT MAY BE CONTROLLED BY CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY.
GENERAL HAZARD: COMBUSTIBLE LIQUID, CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT.STATIC DISCHARGE, MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER DRILL GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.
ELECTROSTATIC ACCUMULATION HAZARD: USE PROPER GROUNDING
SPECIAL FIRE FIGHTING PROCEDURES: PRESSURE DEMAND, SELF CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR CONFINED AREAS WHERE THIS PRODUCT IS STORED. STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH A WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP.
UNUSUAL FIRE AND EXPLOSION HAZARD THIS PRODUCT IS EXTREMELY FLAMMABLE AND EXPLOSIVE UNDER NORMAL CONDITIONS IN THE PRESENCE OF FLAME OR SPARK SOURCE. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT.
SPECIAL FIRE FIGHTING PROCEDURES: THE USE OF SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE. UNUSUAL FIRE AND EXPLOSION HAZARD: VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

SECTION V REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: PRODUCT IS STABLE
INCOMPATIBILITY: THIS PRODUCT IS INCOMPATIBLE WITH STRONG
OXIDIZING AGENTS. STRONG ACIDS OR BASES AND SELECTED AMINES.
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION IN
THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND UNIDENTIFIED
ORGANICS.
CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION: N/A
WILL NOT OCCUR.

SECTION VI HEALTH HAZARD INFORMATION

**HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR
CLASSIFICATION**

ROUTES OF EXPOSURE: THIS PRODUCT MAY CREATE BREATHING
DIFFICULTIES, DIZZINESS, LIGHT HEADEDNESS WHEN WORKING IN AREAS
WITH HIGH VAPOR CONCENTRATION. MINERAL SPIRITS COMPONENTS.

SKIN CONTACT: THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON
PROLONGED OR REPEATED CONTACT.

SKIN ABSORPTION: SEE ABOVE

EYE CONTACT: THIS PRODUCT MAY BE AN EYE IRRITANT. MINERAL
SPIRITS COMPONENT.

EFFECTS OF OVEREXPOSURE TLV - 100 PPM

ACUTE OVEREXPOSURE: ANESTHESIA, HEADACHE, NAUSEA,
DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES
CONSULT A PHYSICIAN.

SKIN: IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF
WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

INHALATION: MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING
STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL
ATTENTION.

INGESTION: DO NOT INDUCE VOMITING, SEEK PROMPT MEDICAL
ATTENTION.

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

AQUATIC TOXICITY (E.G. 96 HR. TLM):

WASTE DISPOSAL METHOD: IF POSSIBLE, PUMP TO CONTROLLED
CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF IN
COMPLIANCE WITH EPA, STATE, AND LOCAL REGULATIONS.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: IF
POSSIBLE PUMP TO CONTROLLED CONTAINMENT AREA. ELIMINATE ALL
IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS,
ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE
EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-
UP IS COMPLETE. STOP SPILL AT SOURCE. DIKE SPILL AREA TO
PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. REMAINING
LIQUID CAN BE TAKEN UP ON SAND, EARTH, FLOOR ABSORBENT, OR
OTHER ABSORBENT MATERIAL AND SHOVEL INTO CONTAINERS

SECTION VIII CONTROL MEASURES

VENTILATION REQUIREMENTS:

LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP
PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-
WEIGHTED TLV RANGES. IF LOCAL VENTILATION PROVES INADEQUATE
TO MAINTAIN SAFE VAPOR CONCENTRATIONS, SUPPLEMENTAL LOCAL
EXHAUST MAY BE REQUIRED. OTHER SPECIAL PRECAUTIONS SUCH AS

RESPIRATORY MASKS OR ENVIRONMENTAL CONTAINMENT DEVICES
MAY BE REQUIRED IN EXTREME CASES.

RESPIRATORY (SPECIFY IN DETAIL): CHEMICAL CARTRIDGE RESPIRATOR;
HALF MASK ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

EYES: CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED
TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION, OR
INJURY.

GLOVES: IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS
NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT,
IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS
APRONS ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT.
THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS
IN WORK AREAS ARE RECOMMENDED.

SECTION IX SPECIAL PRECAUTIONS

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.

OTHER HANDLING AND STORAGE REQUIREMENTS:

STORE IN WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY
CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN
ACCORDANCE WITH FEDERAL REGULATIONS. DO NOT STORE OR
CONSUME FOOD, DRINK OR TOBACCO IN AREA WHERE THEY MAY
BECOME CONTAMINATED WITH THIS MATERIAL. KEEP AWAY FROM
HIGH TEMPERATURES, OPEN FLAMES, SPARKS ETC. USE WITH
EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

HMIS HAZARD RATINGS: THIS INFORMATION IS FOR PEOPLE
TRAINED IN: NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA)
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) NATIONAL
FIRE PROTECTION ASSOCIATION (NFPA 704) IDENTIFICATION OF FIRE
HAZARDS OF MATERIALS

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4=SEVERE
FLAMMABILITY	2	2	3=SERIOUS
REACTIVITY	1	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 ITS INGREDIENTS, BEING CERTIFIED
FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY
OF CHEMICAL SUBSTANCES? YES

PREPARED BY:

DARRYL MANUEL

TITLE:

PRESIDENT

COMPANY:

VEXCON CHEMICALS

ADDRESS:

7240 STATE RD., PHILA., PA 19135

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