



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 B

CLEAR AND PIGMENTED

GENERAL INFORMATION

PRODUCT IDENTIFICATION: POWER® COAT UV+ PART B CLEAR/COLOR

VOC CONTENT: AS APPLIED PIGM: 229 GRAMS/LITER OR 1.91#/GAL
AS APPLIED CLEAR: 340 GRAMS/LITER OR 2.83#/GAL
PART B ONLY: 165 GRAMS/LITER OR 1.37#/GAL

CATEGORY: CONCRETE PROTECTIVE COATING

COMMON NAME: URETHANE 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
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PREPARED: DECEMBER 2004
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PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

<u>MATERIAL OR COMPONENT</u>	<u>CAS NO.</u>	<u>%</u>	<u>OSHA HAZARD</u>	<u>TWA</u>
HEXANE, 1,6 DIISOCYANATO-, HOMOPOLYMER	28182-81-2	>46	Y	0.005 PPM ACGIH
BUTYL ACETATE	123-86-4	<2	Y	150 PPM ACGIH
C8-C10 AROMATIC HYDROCARBONS	64742-95-6	3.25	Y	
TRIMETHYLBENZENE	95-63-6	<1.6	Y	
HEXAMETHYLENE DIISOCYANATE	822-06-0	<0.2	Y	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 56° C **MELTING POINT:** N/A
SPECIFIC GRAVITY 0.86 **VAPOR PRESSURE:** 181mm Hg @ 20° C
VAPOR DENSITY (AIR=1): 2.0
SOLUBILITY IN H2O % BY WT: MISCIBLE
% VOLATILES BY VOL: 65% H (AS IS): NA PH (1% SOLN): NA
EVAPORATION RATE (BUOH=1): 0.8
APPEARANCE AND ODOR: BROWN LIQUID WITH PAINT SOLVENT 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 A 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

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