



**HAZARD RATING**

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

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>REACTIVITY</b>	<b>1</b>

**MATERIAL SAFETY DATA SHEET**  
**VEXCON NO. CP108B-COLOR**

**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** VEXCON POWER COAT UV+ HD PART B PIGMENTED

**VOC CONTENT:** AS APPLIED: 352 GRAMS/LITER OR 2.94 #/GAL

Part A only: 412 g/L or 3.43 #/gal Part B only: 112 g/L or 0.93 #/gal

**CATEGORY:** CONCRETE PROTECTIVE COATING

**COMMON NAME:** URETHANE TOPCOAT

**DOT SHIPPING NAME:** IN CONTAINERS LESS THAN 119 GALS: VEXCON POWERCOAT UV+ HD PART B PIGMENTED (NON-REGULATED)

**FOR LIMITED QUANTITY AIR & OCEAN SHIPMENT:** RQ (AROMATIC SOLVENT) RESIN SOLUTION, FLAMMABLE, 3, UN1866, III

**HEALTH AND SAFETY:** COMBUSTIBLE LIQUID. REACTS VIOLENTLY WITH COMMON MATERIALS INCLUDING WATER, ALCOHOLS, BASES AND AMINES. TOXIC IF INHALED. EYE, SKIN AND RESPIRATORY TRACT IRRITANT. POSSIBLE SENSITIZER.

**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:** JANUARY 2007  
**UPDATED:** JUNE 2009  
**PREPARED BY:** DARRYL F. MANUEL

**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	90-99%	Y	0.005 PPM ACGIH
BUTYL ACETATE	123-86-4	0-5%		150 PPM ACGIH
C8-C10 AROMATIC HYDROCARBONS Which contains TRIMETHYLBENZENE	64742-95-6 95-63-6	0-5% <1.6	Y	

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT, 760 mm Hg:** 145°C **MELTING POINT:** N/A

**SPECIFIC GRAVITY (H20=1):** 1.12

**VAPOR PRESSURE:** NOT AVAILABLE

**VAPOR DENSITY (AIR = 1):** NOT AVAILABLE

**SOLUBILITY IN H2O % BY WT:** REACTS

**% VOLATILES BY VOL:** 12

**EVAPORATION RATE (BUAC=1):** .1

PH (AS IS) N/A PH (1% SOLN.): N/A

APPEARANCE AND ODOR: WATER WHITE LIQUID W/AROMATIC ODOR

**SECTION IV FIRE AND EXPLOSION DATA**

**FLASH POINT (TEST METHOD):** 154°F / 68°C (TCC) **AUTOIGNITION TEMP:** No Data  
**FLAMMABLE LIMITS IN AIR, % BY VOL:** **LOWER:** No Data **UPPER:** No Data

**UNUSUAL FIRE AND EXPLOSION HAZARD:** NO UNUSUAL HAZARDS - KEEP WORK AREAS FREE OF HOT METAL

**ELECTROSTATIC ACCUMULATION HAZARD - USE PROPER GROUNDING**

**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 USE 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.

**FIRE FIGHTING:** USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO EXTINGUISH FIRE. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER. THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. SEE ALSO SECTION IX.

**SECTION V REACTIVITY DATA**

**CONDITIONS CONTRIBUTING TO INSTABILITY:** PRODUCT REACTS WITH WATER AND HIGH TEMPERATURE.

**INCOMPATIBILITY:** THIS PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS STRONG ACIDS OR BASES AND SELECTED AMINES AND WATER. HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION IN THE PRESENCE OF AIR YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE, OXIDES OF NITROGEN. CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION VI HEALTH HAZARD INFORMATION**

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

**ROUTES OR EXPOSURE/INHALATION:** TOXIC IF INHALED. MAY CAUSE SHORTNESS OF BREATH, INTOXICATION, HEADACHE, NAUSEA, VOMITING, RESPIRATORY TRACT INFECTIONS.

**SKIN CONTACT:** MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION. MAY CAUSE HARMFUL ALLERGIC REACTION.

**SKIN ABSORPTION:** SEE ABOVE

**EYE CONTACT:** MAY CAUSE IRRITATION

**INGESTION:** SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY EDEMA. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

## EFFECTS OF OVEREXPOSURE TLV-50 ppm

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

## EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION.

**SKIN:** WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.

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

**INGESTION:** IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-3 GLASSES OF WATER TO DRINK. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT LEAVE VICTIM UNATTENDED. VOMITING MAY OCCUR SPONTANEOUSLY. TO PREVENT ASPIRATION OF SWALLOWED PRODUCT, LAY VICTIM ON SIDE WITH HEAD LOWER THAN WAIST. IF VOMITING OCCURS AND THE VICTIM IS CONSCIOUS, GIVE WATER TO FURTHER DILUTE THE CHEMICAL.

## SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

**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:

**LAND SPILL:** ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL DISCHARGE OF MATERIAL IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS IMPLEMENT CLEANUP PROCEDURES: FOR LARGE SPILL IMPLEMENT CLEAN UP PROCEDURES AND, IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. ALSO, IF THIS PRODUCTS SUBJECT TO CERCLA REPORTING NOTIFY THE NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. RECOVER BY PUMPING (USE AN EXPLOSION PROOF OR HAND PUMP) OR WITH A SUITABLE ABSORBENT. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

**WATER SPILL:** REMOVE FROM SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS. IF ALLOWED BY LOCAL AUTHORITIES AND ENVIRONMENTAL AGENCIES, SINKING AND/OR SUITABLE DISPERSENTS MAY BE USED IN ON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

## SECTION VIII CONTROL MEASURES

**VENTILATION REQUIREMENTS:** LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF GENERAL 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):** THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION ABOVE THE TIME WEIGHTED TLV: USE OF AN OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIRPACK.

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

**GLOVES:** THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS.

**OTHER CLOTHING AND EQUIPMENT:** IMPERMEABLE APRONS AND HELMETS (HEAD COVER) ARE ADVISED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED

## SECTION IX SPECIAL PRECAUTIONS

### PRECAUTIONARY STATEMENTS:

**FIRE FIGHTING:** WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIA BUT HELPFUL IN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE REMOVE SATURATED CLOTHING AND FLUSH AFFECTED AREAS WITH WATER.

**OTHER HANDLING AND STORAGE REQUIREMENTS:** KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION EQUIVALENT TO FRESH AIR.

**HMIS HAZARD RATINGS:** THIS INFORMATION IS FOR PEOPLE TRAINED IN: NATIONAL PAINT AND COATING 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

## SECTION X REGULATORY INFORMATION

**TSCA:** THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6.

**CERCLA:** IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 800-424-8802. THIS MATERIAL IS COVERED BY CERCLA'S PETROLEUM EXCLUSION; THEREFORE, RELEASES TO AIR, LAND AND WATER ARE NOT REPORTABLE UNDER EPA-CERCLA (SUPERFUND).

**THIS PRODUCT CONTAINS:** TRIMETHYLBENZENE

**SARA TITLE III:** UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES. RCRA (40 CFR 261.21) IF THIS PRODUCT BECOMES A WATER MATERIAL, IT WOULD BE AN IGNITABLE HAZARDOUS WASTE. HAZARDOUS WASTE NUMBER D001. REFER TO LATEST EPA OR STATE REGULATIONS REGARDING PROPER DISPOSAL.

### DELAYED HEALTH, FIRE.

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:

TITLE:

COMPANY:

ADDRESS:

DARRYL MANUEL

PRESIDENT

VEXCON CHEMICALS,

7240 STATE ROAD, PHILA.PA 19135

**THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. VEXCON PROVIDES NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETMENT OF THE INFORMATION CONTAINED HEREIN**