

HAZARD RATING

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

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. FR123



Performance Construction Chemicals

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GENERAL INFORMATION

PRODUCT IDENTIFICATION: CERTI-VEX® FR ZERO VOC
VOC CONTENT: 0
CATEGORY: FORM RELEASE COMPOUND
COMMON NAME: FORM RELEASE
DOT SHIPPING NAME: IN CONTAINERS LESS THAN 119 GALS.
 CERTI-VEX FR ZERO VOC (NON-REGULATED)
 IN CONTAINERS GREATER THAN 119 GALS: COMBUSTIBLE LIQUID, N.O.S.
 (PETROLEUM DISTILLATES), 3, NA 1993, III
HEALTH AND SAFETY: COMBUSTIBLE LIQUID: USE WITH ADEQUATE
 VENTILATION: IF SWALLOWED, DO NOT INDUCE VOMITING: MAY BE
 SKIN/EYE IRRITANT: USE OF SOLVENT RESISTANT GLOVES, GOGGLES
 AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING
 THIS PRODUCT

SECTION I

MANUFACTURER: VEXCON CHEMICALS
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PREPARED: APRIL 1998
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PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

<u>MATERIAL OR COMPONENTS</u>	<u>CAS. NO.</u>	<u>HAZARD DATA</u>	<u>UN#</u>
PETROLEUM HYDRROCARBON OIL	64742-53-6	5.0 Mg/M3/3 HR.	
RELEASE AND WETTING AGENTS		NON-HAZARDOUS	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 760 mm Hg: 340-600° F
SOLUBILITY IN H2O % BY WT: INSOLUBLE
MELTING POINT: N/A **SPECIFIC GRAVITY (H2O=1):** 0.87
VAPOR PRESSURE: 1.6 mm Hg **VAPOR DENSITY (AIR=1):** 8.0 APP
EVAPORATION RATE (BUOH=1): (ETHER =1) GREATER THAN 600 X SLOWER
PH (AS IS) NA PH (1% SOLN) NA
APPEARANCE AND ODOR: CLEAR GREEN COLOR LIQUID
 W/PETROLEUM ODOR.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: (TEST METHOD): 330° F MIN. PMCC
AUTOIGNITION TEMPERATURE: 625° F
LOWER: ND **UPPER:** ND
EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, COA2, WATER FOG OR
 SPRAY
SPECIAL FIRE FIGHTING PROCEDURES: THE USE OF SELF CONTAINED
 BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER
 MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIA, BUT HELPFUL IN
 KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING
 LIQUID WITH WATER USE FOR COOLING PURPOSES.
UNUSUAL FIRE AND EXPLOSION HAZARD: VAPORS MAY FORM EXPOSIVIE
 MIXURES WITH AIR.
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 HAZAED: USE PROPER GROUNDING

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: THERMAL DECOMPOSITIN IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND UNIDENTITED ORGANICS.
CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION: N/A WILL NOT OCCUR.

SECTION VI HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA HAZARRD CLASSIFICATION BASIS FOR CLASSIFICATION

ROUTES OF EXPOSURE:

INHALATION: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY HAVE RESULTS RANGING FROM DIZZINESS AND HEADACHES TO UNCONSCIOUSNESS.

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.

EFFECTS OF OVEREXPOSURE

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 ANDSEEK 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:

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:

	NPCA-HMIS	NFPA 704	KEY
HEALTH	0	0	4=SEVERE
FLAMMABILITY	1	1	3=SERIOUS
REACTIVITY	0	0	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

PREPARED BY

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