

HAZARD RATING

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

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. FR103

Performance Construction Chemicals

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GENERAL INFORMATION
PRODUCT IDENTIFICATION: CERTI-VEX® FR VOC AND FRL VOC

VOC CONTENT: 445 GR./LITER OR 3.71 #/GAL.

CATEGORY: FORM RELEASE COMPOUND

COMMON NAME: FORM RELEASE

DOT SHIPPING NAME:

 IN CONTAINERS LESS THAN 119 GALS: CERTI-VEX FR VOC OR FRL 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 ONLY WITH
 ADEQUATE VENTILATION: IF SWALLOWED, DO NOT INDUCE VOMITING:
 MAY BE SKIN/EYE IRRITANT: USE OF SOLVENT RESISTANT GLOVES,
 GOGGLES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN
 HANDLING THIS PRODUCT.

SECTION I

MANUFACTURER:	VEXCON CHEMICALS
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CHEMTREC NO:	1-800-424-9300
EMERGENCY NO:	1-800-858-2828
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PREPARED:	MAY 1996
UPDATED:	NOVEMBER 7, 2002
PREPARED BY:	DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS. NO.	%	HAZARD DATA	UN#
PETROLEUM DISTILLATES (C9 & HIGHER)	68476-30-2	79.5%	TLV 500 PPM	1993
PEETROLEUM HYDRROCARBON OIL	64742-53-6	18%	5.0 Mg/M3/3 HR.	
RELEASE AND WETTING AGENTS		2.5%	NON-HAZARDOUS	

**SECTION III PHYSICAL/CHEMICAL
 CHARACTERISTICS**

BOILING POINT: 760 mm Hg: 340-600° F	MELTING POINT: N/A
SPECIFIC GRAVITY (H2O=1): 0.87 TYPICAL	VAPOR PRESSURE: 1.6mm Hg
VAPOR DENSITY (AIR=1): 8.0 APPROX.	
SOLUBILITY IN H2O % BY WT: INSOLUBLE	% VOLATILES BY VOL: 97%
PH (1% SOLN):NA	PH (AS IS): NA
APPEARANCE AND ODOR: CLEAR STRAW YELLOW COLOR LIQUID W/PETROLEUM ODOR.	

SECTION IV FIRE AND EXPLOSION DATA
FLASH POINT: (TEST METHOD): 126 F MIN. PMCC

AUTOIGNITION TEMPERATURE: 494° F

FLAMMABLE LIMITS IN AIR: % BY VOL:
LOWER: ND **UPPER:** ND

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CO2, 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 USED FOR COOLING
 PURPOSES.

UNUSUAL FIRE AND EXPLOSION HAZARD: VAPORS MAY FORM
 EXPLOSIVE MIXTURES 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 HAZARD: 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 PRODUCTS: THERMAL DECOMPOSITION
 IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR
 CARBON DIOXIDE.

CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION: N/A
 WILL NOT OCCUR.

SECTION VI HEALTH HAZARD INFORMATION

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.

INGESTION IF SWALLOWED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

EFFECTS OF OVEREXPOSURE: ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES. PROLONGED CONTACT ON SKIN WILL CLAY AND DEFAT THE SKIN POSSIBLY CAUSING DERMATITIS.

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: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

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

WASTE DISPOSAL METHOD: TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN COMPLIANCE WITH EPA OR STATE REGULATIONS UNDER THE RESOURCES CONSERVATION AND RECOVERY ACT. TYPICALLY, CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.

STEPS TO BE TAKEN IF MATERIAL IF 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 A RECOMMENDATION WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS 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	1	2	4=SEVERE
FLAMMABILITY	2	2	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

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