

HAZARD RATING

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

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

**MATERIAL SAFETY DATA SHEET
VEXCON NO. CT107**



Performance Construction Chemicals

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GENERAL INFORMATION

PRODUCT IDENTIFICATION: CERTI VEX® LINSEED VOC
VOC CONTENT: 392 GR/LITER OR 3.27 #/GAL.
CATEGORY: CONCRETE PROTECTION COATING
COMMON NAME: BOILED LINSEED OIL IN ALIPHATIC HYDROCARBON SOLVENT
D.O.T. SHIPPING NAME: IN CONTAINERS LESS THAN 119 GALS: CERTI-VEX LINSEED VOC (NON-REGULATED) IN CONTAINERS GREATER THAN 119 GALS: COMBUSTIBLE LIQUID, N.O.S. (STODDARD SOLVENT), 3, NA 1993, III
HEALTH AND SAFETY: COMBUSTIBLE LIQUID: 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.

SECTION I

MANUFACTURER: VEXCON CHEMICALS
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PREPARED: MAY 1996
UPDATED: SEPTEMBER 13, 1999
PREPARED BY: DARRYL F. MANUEL

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS:	CAS. NO.	%	HAZARD DATA	UN#
LINSEED OIL:	8001-26-1	54%	ND	
STODDARD SOLVENT:	8052-41-3	45%	TLV 100 PPM	1255
DRIERS:	8032-32-4	1%	ND	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 760 mm Hg: 320° F **MELTING POINT:** N/A
SPECIFIC GRAVITY (H2O=1): 0.78
VAPOR PRESSURE: 200 mm Hg@68° F **VAPOR DENSITY (AIR=1):** 4.9
SOLUBILITY IN H2O % BY WT: INSOLUBLE
% VOLATILES BY VOL.: 50% **EVAPORATION RATE (BUOH=1)** 1

PH (AS IS): ND PH (1% SOLN): ND

APPEARANCE AND ODOR: TAN COLORED RESIN SOLUTION WITH ALIPHATIC ODOR

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: (TEST METHOD): 109° F TCC
AUTOIGNITION TEMPERATURE: ND
FLAMMABLE LIMITS IN AIR: % BY VOL: ND
LOWER: 1.0 **UPPER:** 6.0
EXTINGUISHING MEDIA: USE FOAM, CARBON DIOXIDE OR CHEMICAL FIRE FIGHTING APPARATUS.
SPECIAL FIRE FIGHTING PROCEDURES: THE USE OF SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD UP AND AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING.
UNUSUAL FIRE AND EXPLOSION HAZARD: KEEP CONTAINERS TIGHTLY CLOSED, ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. USED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. RAGE/WAST PAPER CONTAINING THIS MATERIAL MAY BURN SPONTANEOUSLY. STORE WIPING RAGS CONTAINING THIS MATERIAL IN METAL CANS WITH TIGHT LIDS.
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: SPONTANEOUS COMBUSTION MAY OCCUR. SEE UNUSUAL FIRE AND EXPLOSION HAZARD SECTION.

CONDITIONS TO AVOID: EXCESSIVE HEAT, SPARKS OR OPEN FLAMES. HIGH SURFACE AREA EXPOSURE TO OXYGEN CAN RESULT IN POLYMERIZATION AND RELEASE OF HEAT.

INCOMPATIBILITY: STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE AND/OR CARBON MONOXIDE. ALDEHYDES (INCLUDING ACRROLEIN) MAY BE PRODUCED FROM ATMOSPHERIC OXIDATION AND/OR THERMAL DEGRADATION UNDER SEVERE PRESSURE.

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

SECTION VI HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE:

INHALATION: INHALATION OF HIGH VAPOR CONCENTRATION 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/ INHALATION: TLV 50-100 PPM ESTIMATED FROM SIMILAR PRODUCTS. NOTE: THE THRESHOLD LIMIT VALUE (TLV) OF 100 PPM VAPOR IN AIR HAS BEEN ESTABLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS FOR STODDARD SOLVENT AND IS THUS APPLICABLE TO MINERAL SPIRITS. KIDNEY DAMAGE WAS NOTED IN MALE RATS AT THIS CONCENTRATION. THE RECENT STUDY SUGGESTS THAT THIS OCCUPATIONAL EXPOSURE LIMIT MAY HAVE TO BE LOWERED FOR THIS PRODUCT. WORK IS CONTINUING TO VALIDATE THESE FINDINGS AND DETERMINE WHETHER A REVISED OCCUPATIONAL EXPOSURE LIMIT SHOULD BE RECOMMENDED FOR MINERAL SPIRITS.

EFFECTS OF OVEREXPOSURE TLV - 100 PPM

ACUTE OVEREXPOSURE: ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES. PROLONGED CONTACT ON THE SKIN IT 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.

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

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

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

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, SEE UNUSUAL FIRE AND EXPLOSION HAZARDS SECTION.

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: REMOVE SATURATED APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE RE-USE. 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:

	NFPA-HMIS	NFPA 704	KEY
HEALTH	2	2	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

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