



AMERICAN HYDROTECH, INC.
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VM LIQUID MEMBRANE
PART A (base)

SECTION I

CHEMICAL NAME & SYNONYMS: Mixture
CHEMICAL FAMILY: Bitumen/Hydrocarbon/Homopolymer
TRADE NAME & SYNONYMS: VM Liquid Membrane
FORMULA: Mixture

SECTION II – HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>C.A.S. #</u>	<u>%</u>	<u>TLV EXPOSURE LIMITS</u>
Bitumen		28.6	5 mg/m ³ (fume)
Aromatic Oil Solvent Extract*	64742-04-7	7.5	0.2 mg/m ³ (fume)

*If heated to a molten state, this ingredient will produce fumes. These fumes have been classified as a carcinogen.

SECTION III – PHYSICAL DATA

BOILING POINT (°F):	N. App.	PERCENT VOLATILE BY VOLUME:	0.005
VAPOR PRESSURE (mmHg @ 20°C):	None		
VAPOR DENSITY (AIR=1):	N. App.	EVAPORATION RATE (Air=1)	NIL
SPECIFIC GRAVITY (H ₂ O=1):	1.29		

SOLUBILITY IN WATER: NIL
APPEARANCE AND ODOR: Black, semi-solid, tar odor

SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED): > 500° F (Open cup)
FLAMMABLE LIMITS: N. D.

EXTINGUISHING MEDIA: Foam, dry chemical, CO₂
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters must wear self-contained breathing apparatus when in confined spaces.

UNUSUAL FIRE/EXPLOSION HAZARDS: Do not enter fire area without protective equipment.

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE(S):

SIGNS/SYMPTOMS/EFFECTS OF OVEREXPOSURE: Irritation to the eyes, and there will be changes in the pigmentation of the skin, benign skin growths and skin cancer. Irritation of respiratory tract, cancer of kidneys, respiratory tract and the bladder can occur in inhaled. There will be irritation and nausea if ingested.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes, consult physician

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove to fresh air, If not breathing administer artificial respiration. If breathing is difficult, give oxygen and consult a physician.

INGESTION: DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Monitor for breathing difficulty.

SECTION VI – REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

INCOMPABILITY (MATERIALS TO AVOID): Strong acids, alkalis, oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Aldehydes, CO, CO₂

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Spread granular cover. Impound/recover large spill.

WASTE DISPOSAL METHODS: Dispose of in accordance with state and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

VENTILATION (TYPE): Use local and explosion proof mechanical exhaust to maintain exposure limits below TLV..

RESPIRATORY PROTECTION: If TLV is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental controls. OSHA regulations also permit other respirators under specified conditions.

PROTECTIVE CLOTHING & EQUIPMENT: Goggles and resistant gloves recommended.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a dry, well ventilated area away from heat. Do not re-use containers for other products. Do not store above 100° F.

Information presented herein has been compiled from sources considered to be dependable and current, and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of this information for his safe use of this product, and to adopt such proper safety precautions as may be necessary to provide adequate worker and plant protection.