

HMIS RATING	
Health	1
Fire	3
Reactivity	0
PPE	B

**SECTION 1. IDENTIFICATION**

**Product Name:** VinylDoc Liquid PVC-HD  
**Chemical Name:** Heavy Duty PVC Resin in Solvent Solution  
**Chemical Family:** Solvent Base Adhesive Compound  
**Date Issued:** October 18, 2005

**PPE:** A

**SECTION 2. HAZARDS IDENTIFICATION**

<b><u>Physical hazards</u></b>	Flammable liquids	Category 2
<b><u>Health hazards</u></b>	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

**Precautionary statement**

**Prevention** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

**Storage** Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May form explosive peroxides. Contains a chemical classified by the US EPA as a suspected possible carcinogen.

**Supplemental information** Not applicable.

## Vinyl Doctor Liquid PVC

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS#</b>	<b>%</b>	<b>SARA TITLE III</b>	<b>PEL</b>	<b>TLV</b>
Polyvinyl chloride	9002-86-2	15-40			
Tetrahydrofuran (See Section 11)	109-99-9	30-40	Yes	200 ppm	200 ppm
Cyclohexanone	108-94-1	10-20			
Butanone	78-93-3	5-15			
Acetone	67-64-1	10-20			
Reinforcing Viscosity Resin		2-5			

Amounts specified are typical. Remaining components are proprietary, non-hazardous and/or present at amounts below reportable limits.

### **SECTION 4. FIRST AID MEASURES**

#### **Emergency and First Aid Procedures.**

**Eye Contact:** Immediately flush with large quantities of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

**Skin Contact:** Rinse exposed area with clean water for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

**Ingestion:** **DO NOT INDUCE VOMITING.** Drink two glasses of water or milk. Never give anything orally to an unconscious or convulsing person. Get prompt medical attention.

**Inhalation:** Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get prompt medical attention.

### **SECTION 5. FIRE FIGHTING MEASURES**

NFPA Flammability Class: I B NFPA RATING (H-F-R) 1-3-0

Flash Point (PMCC): 7 F tag closed cup.

Flammable Limits in Air: LEL = 1.8% (Volume) UEL = 11.8% (Volume)

Extinguishing Media: Dry Chemical, carbon dioxide, foam, or water fog. Class BC or ABC fire extinguisher for surrounding areas involved in fire.

For large fires, evacuate area and call Fire Department promptly.

Special Fire Fighting Procedure: Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual Fire/Explosion Hazards: Fire hazard because of low flash point, high volatility, and heavy vapor. Irritating and toxic substances will be emitted upon combustion, burning, or decomposition of the dry solids.

### **SECTION 6. SPILL OR LEAK PROCEDURES**

#### **Steps to be taken in case material is released or spilled:**

Use required personal protective equipment when entering spill area. Spilled product may be extremely slippery. Contain Spill. If spilled in an enclosed area, ventilate. Use inert material such as sawdust, or other approved inert solid to absorb spill. Do not flush residue to sanitary sewer, surface waters or other water systems. Place residual absorbed material in appropriate containers for disposal. Reuse of residual material is not advised.

### **SECTION 7. HANDLING AND STORAGE**

#### **Handling**

Avoid eye and repeated or prolonged skin contact. Avoid inhalation and ingestion.

Wash thoroughly after handling this product. Dried product on skin may be difficult to remove with normal soap and water. Use an approved waterless hand cleaner if available.

Avoid contact with unprotected clothing since dried residues of this product may be difficult or impossible to remove.

#### **Storage**

Preferred storage is between 60 and 100 deg. F. Keep Containers closed when not in use.

Protect from moisture contamination. If container is to be returned or recycled, make sure container is empty. Do not reuse container or allow unauthorized use of empty containers. Recycle or disposed of empty containers with approved agencies.

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### SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION EQUIPMENT

Occupational Exposure Limits: ACGIH TWAS ACGIH STEL OSHA TWA OSHA STEL

RESPIRATORY PROTECTION: None normally required under normal use.  
VENTILATION: Always provide sufficient general and/or local exhaust during normal use to prevent routine inhalation.  
PROTECTIVE GLOVES: Use Nitrile or Neoprene rubber gloves. Dried product on skin may be difficult to remove.  
EYE PROTECTION: Wear eye protection.  
OTHER PROTECTIVE EQUIPMENT: Disposable clothing protection wear may prevent permanent damage to clothing.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color: Thick hazy clear liquid. Consistency of syrup  
Odor: Characteristic solvent odor.  
Boiling Point: 151 degrees f (66 C)  
Vapor Pressure: 190 mmHg @20 C  
Vapor Density: 2.5 (Heavier than air)  
Specific Gravity: 0.9 +/- 0.015  
Weight (lbs/gal): 7.5  
Percent Volatiles: 88 +/- 2%  
Evaporation Rate: 5.5-8.0  
pH: (as is): N/A  
Solubility: Negligible in water.  
VOC: Not Determined

### SECTION 10. STABILITY AND REACTIVITY

STABILITY: Product is stable  
HAZARDOUS POLYMERIZATION: Will not occur.  
INCOMPATIBILITY: Acids, oxidizing materials, alkalis, chlorinated inorganics (potassium, calcium and sodium hypochlorite), copper or copper alloys.  
CONDITIONS TO AVOID: Heat, sparks and open flame.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide.

### SECTION 11. TOXICOLOGICAL INFORMATION

Substance	Route	Specie	LD50
Tetrahydrofuran	Inhal	Rat	21,000 ppm (3 Hrs)

#### **TETRAHYDROFURAN WARNING:**

The National Toxicology Program has reported that exposure of mice and rats to Tetrahydrofuran (THF) vapor levels up to 1800 ppm 6 hr/day, 5 days/week for their lifetime caused an increased incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health are unclear at this time and may be related to "specific species" effects. Elevated incidences of tumors in humans have not been reported to THF. THF is currently listed in the 2004 American Conference of Government Industrial Hygienist notice of intended changes.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

EPA HAZARDOUS WASTE CODE: 001

Product must be disposed of properly under Federal and State regulations for industrial wastes. Recommended disposal is incineration or Disposal in a Class D landfill pending approval. As delivered, this product when spilled, released or disposed of is a characteristic flammable waste as defined in RCRA regulations 40 CFR Part 261.

**SECTION 14. TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: Consumer commodity ORM-D  
For Gallons: Adhesives, 3, UN1133, PG II  
DOT HAZARD CLASS: Class 3  
DOT IDENTIFICATION NO. UN 1133 (Gallons Only)  
DOT PACKING GROUP: PG II  
EXEMPTIONS: 1 Liter or smaller containers ship as Limited Quantity/ ORM-D No label or placard required.  
EMERGENCY RESPONSE GUIDE NUMBER: 127

**CANADIAN TDG/WHMIS REGULATIONS:**

TDG NAME: Consumer Commodity ORM-D  
TDG CLASS: Class 3  
PIN NUMBER: UN 1133 (Gallons Only)  
WHMIS: B2

**SECTION 15. REGULATORY INFORMATION**

TSCA: The ingredients of this product are on the TSCA inventory.

**SARA Title III Categories**

SECTION 311/312

ACUTE:	YES	CHRONIC:	YES
FIRE HAZARD:	YES	REACTIVE HAZARD:	NO
SUDDEN RELEASE OF PRESSURE:	NO		
SECTION 313:	NONE		

PROPOSITION 65: NONE

STATES RIGHT TO KNOW

MASSACHUSETTS:	NONE
PENNSYLVANIA:	NONE
CALIFORNIA SCAQMD:	NONE
EEC Classification:	Flammable Liquid

**SECTION 16. OTHER INFORMATION**

**PLEASE NOTE!** Use only as directed. Do not mix with other chemicals unless advised by supplier.

**Users Responsibility/Disclaimer of Liability**

The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, The Vinyl Doctor cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.