

**Celvaseal Leak Sealant**

Jan. 26, 2016

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Identifier:** Celvaseal® Leak Sealant**Manufacturer:** Myers Vacuum Repair Service Inc.  
1155 Myers Lane  
Kittanning, PA 16201  
724-545-8331**Emergency Phone Number:** Chemtrec 1-800-424-9300**Use:** Vacuum Leak Sealant**Restrictions:** Use ground strap and appropriate precautions for dispensing flammable liquids. Avoid contact with skin and eyes. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics. Avoid inhalation of vapor or mist. Attention: Not for injection into humans. Keep away from children. May generate formaldehyde at temperatures greater than 150 C (300 F).**2. HAZARDS IDENTIFICATION****FLAMMABLE LIQUID****HMIS** Flammability 3 Reactivity 0 Health 2**NFPA** Flammability 3 Reactivity 0 Health 2**EMERGENCY OVERVIEW**

WARNING! Irritating to eyes, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed. May cause adverse liver, kidney, and CNS effects. Flammable liquid and vapor. May cause adverse reproductive effects. May cause adverse cardiac effects.

Form: Liquid

Color: Clear to Amber

Odor: aromatic

**POTENTIAL HEALTH EFFECTS**

**INGESTION** Harmful if swallowed. May cause kidney damage. May cause pneumonitis as a result of aspiration. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause metallic taste in mouth. May also cause effects as listed under "Inhalation".

**SKIN** Harmful if absorbed through the skin. May cause skin defatting with prolonged exposure. Skin contact may cause irritation. Repeated or prolonged exposure may cause dermatitis (inflammation and rash).

**INHALATION** Harmful if inhaled. Acute inhalation of toluene vapors may cause respiratory tract irritation and adverse central nervous system effects including dizziness, nausea, weakness, headache, confusion, drowsiness, and impaired reactions. Repeated or prolonged exposure may cause irritation, vomiting, nosebleeds, chest pains, vertigo, loss of appetite, loss of memory, loss of coordination, ringing in the ears, alcohol intolerance, and abnormal bleeding. Bone marrow hyperplasia and leukopenia have been

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reported, but may be due to benzene contamination. Additional effects include adverse blood system effects, cardiac sensitization and cardiac arrest due to ventricular fibrillation, irreversible nerve damage, kidney damage, chromosomal changes, and menstrual disorders. Adverse reproductive effects have also been reported in animals.

**EYES** May cause eye burns. Irritation with redness, swelling, pain, and tearing.

**MEDICAL CONDITIONS AGGRAVATED** Respiratory disorder Central nervous system disorders. Cardiovascular disorders. Pre-existing liver or kidney disorders. Skin disorders.

**SUBCHRONIC (TARGET ORGAN )** Respiratory disorder; Dermatitis; Reproductive hazard.; Central nervous system damage.; Liver and kidney damage.; Bone marrow and hematopoietic (blood forming) system; Cardiovascular effects.

**CHRONIC EFFECTS / CARCINOGENICITY** This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
Toluene	108-88-3	10 -30 %
2-Propanol	67-63-0	5 -10 %
<b><u>B. NON-HAZARDOUS</u></b>		
Dichlorodimethylsilane polymer with dichlorodiphenylsilane, trichloromethylsilane and trichlorophenylsilane	28630-33-3	60 -90 %

The specific chemical identity, or exact percentage (concentration) of composition, has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**SYMPTOMS that are important/acute/delayed:** See **POTENTIAL HEALTH EFFECTS** above.

**INGESTION** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person

**SKIN** Wash off with soap and water. Remove and wash contaminated clothing before re-use. Get medical attention if irritation persists.

**INHALATION** If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention

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**EYES** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN** More severe effects if alcohol is consumed. Stimulants such as epinephrine may induce ventricular fibrillation. Aspiration may cause severe lung damage. Evacuate stomach in a way which avoids aspiration. Contains toluene. The metabolism of other solvents may be inhibited resulting in a potentiation of toxic effects of those chemicals. Uptake is directly proportional to the amount of body fat. Blood levels may be cumulative when exposure is extended.

### **5. FIRE-FIGHTING MEASURES**

<b>FLASH POINT:</b>	17 °C; 63 °F
<b>METHOD:</b>	closed cup
<b>IGNITION TEMPERATURE:</b>	Unknown
<b>FLAMMABLE LIMITS IN AIR -LOWER (%):</b>	Unknown
<b>FLAMMABLE LIMITS IN AIR -UPPER (%):</b>	Unknown
<b>SENSITIVITY TO MECHANICAL IMPACT:</b>	No
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is expected; material has a flash point below 200 F.

**EXTINGUISHING MEDIA:** All standard extinguishing agents are suitable.

**SPECIAL FIRE FIGHTING PROCEDURES:** Flammable, Wear respiratory protection. May generate formaldehyde at temperatures greater than 150 C (300 F).

### **6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED** Remove all sources of ignition. Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Increase area ventilation. Person not trained should evacuate area. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

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

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE** Use ground strap and appropriate precautions for dispensing flammable liquids. Avoid contact with skin and eyes. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics. Avoid inhalation of vapor or mist. Attention: Not for injection into humans. Keep away from children. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of SDS for details

**STORAGE:** Keep container tightly closed. Recommended storage in original container below 30°C (85°F).

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** If exposure limits may be exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. A NIOSH/MSHA approved respirator with an organic vapor cartridge is generally acceptable. Supplied air respirators may be required for high vapor concentrations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

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**PROTECTIVE GLOVES:** Rubber or plastics gloves**EYE AND FACE PROTECTION:** Safety glasses with side-shields; Mono-goggles.**OTHER PROTECTIVE EQUIPMENT:** Rubber apron**Exposure Guidelines**

Component	CAS RN	Source	Value
2-Propanol	67-63-0	OSHA Z1, PEL	400 ppm; 980 mg/m3
2-Propanol	67-63-0	ACGIH, TWA	200 ppm
2-Propanol	67-63-0	ACGIH, STEL	400 ppm
2-Propanol	67-63-0	ACGIH, TWA	200 ppm
2-Propanol	67-63-0	ACGIH, STEL	400 ppm
2-Propanol	67-63-0	ACGIH,	Listed.
2-Propanol	67-63-0	OSHA Z1,	Listed.
Toluene	108-88-3	ACGIH, TWA	20 ppm
Toluene	108-88-3	OSHA Z2, TWA	200 ppm
Toluene	108-88-3	OSHA Z2, Ceiling	300 ppm
Toluene	108-88-3	OSHA Z2,MAX CONC	500ppm
Toluene	108-88-3	ACGIH	Listed
Toluene	108-88-3	OSHA Z2	Listed

Absence of values indicates none found. PEL -OSHA Permissible Exposure Limit; TLV -ACGIH Threshold Limit Value; TWA -Time Weighted Average OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT C &amp; F:</b>	Not relevant
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Not relevant
<b>VAPOR DENSITY (AIR=1):</b>	Not available
<b>FREEZING POINT:</b>	Not relevant
<b>MELTING POINT:</b>	Not relevant
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	aromatic
<b>COLOR:</b>	Clear to Amber
<b>SPECIFIC GRAVITY (WATER=1):</b>	1.14
<b>DENSITY:</b>	ca. 1.138 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	ESS.NEUT
<b>pH:</b>	Not relevant
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	20.00 %(m)
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Soluble in toluene

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<b>VOC EXCL. H<sub>2</sub>O &amp; EXEMPTS (G/L):</b>	237
<b>BOILING RANGE:</b>	Not relevant
<b>FLASH POINT:</b>	Not available
<b>EVAPORATION RATE:</b>	Not relevant
<b>FLAMMABILITY (solid, gas):</b>	Not relevant
<b>PARTITION COEFFICIENT: n-octanol / water</b>	Not available
<b>AUTO-IGNITION TEMPERATURE:</b>	Not available
<b>DECOMPOSITION TEMPERATURE:</b>	Not available
<b>VISCOSITY</b>	Not available

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** No specific test data available.

**CHEMICAL STABILITY:** Stable under normal: ambient temperature, conditions, storage, and handling. No stabilizers needed to maintain chemical stability. No safety issues if the product changes physical appearance.

**OTHER:** Next 4 items.

**CONDITIONS TO AVOID:** Keep away from heat and sources of ignition. Avoid any source of ignition due to flammability.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Reducing agents. Contact with oxidizing agents.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS:** Carbon dioxide (CO<sub>2</sub>); Formaldehyde; Carbon monoxide; this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**THE LIKELY ROUTES OF EXPOSURE ARE:** inhalation, ingestion, skin, eyes. See section 8 above for protection information.

**THE DELAYED/IMMEDIATE/CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE ARE:** See section 2 above for potential health effects.

**THE NUMERICAL MEASURES OF TOXICITY ARE:** Unknown.

**THE SYMPTOMS ARE:** See section 2 above for symptoms.

**THE CANCER TOXICOLOGY IS:** This product, or one of its ingredients present at 0.1% or more, is not listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA. For CALIFORNIA PROPOSITION 65: WARNING! This product contains a chemical known in the State of California to cause cancer. 108-88-3, Toluene.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:** No data available.

**CHEMICAL PERSISTENCE:** No data available.

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**BIOACCUMULATION:** No data available.**MOVEMENT FROM SOIL TO WATER:** No data available.**13. DISPOSAL CONSIDERATIONS****REFER TO SECTION 7 FOR HANDLING AND STORAGE, AND SECTION 8 FOR EXPOSURE CONTROLS AND PERSONAL PROTECTION.****DISPOSAL CONTAINERS:** Use original container.**DISPOSAL METHOD:** Disposal should be made in accordance with federal, state and local regulations. Incineration recommended in approved incinerator according to federal, state, and local regulations.**PHYSICAL AND CHEMICAL PROPERTIES THAT MAY AFFECT DISPOSAL:** No data available.**DISPOSAL IN SEWAGE IS DISCOURAGED.****14. TRANSPORT INFORMATION**

<b>DOT SHIPPING NAME:</b>	Resin solution
<b>DOT HAZARD CLASS:</b>	3
<b>DOT LABEL (S):</b>	3
<b>UN/NA NUMBER:</b>	UN1866
<b>PACKING GROUP:</b>	III
<b>IMDG SHIPPING NAME:</b>	Resin solution
<b>CLASS:</b>	3
<b>IMDG-LABELS:</b>	3
<b>UN NUMBER:</b>	UN1866
<b>PACKING GROUP:</b>	III
<b>EMS No:</b>	F-E; S-E
<b>IATA:</b>	Resin solution
<b>CLASS:</b>	3
<b>ICAO-LABELS:</b>	3
<b>UN NUMBER:</b>	UN1866
<b>PACKING GROUP:</b>	III

**BULK TRANSPORT GUIDANCE:** Consistent with the information above, and consistent with the appropriate ( local, state, federal, international ) laws/agreements/standards.**15. REGULATORY INFORMATION****INVENTORIES:**

Canada DSL Inventory	y (Positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (Positive listing)
Korea Existing Chemicals	y (Positive listing)

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## Inventory (KECI)

China Inventory of Existing Chemical Substances	y (Positive listing)	
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Australia Inventory of Chemical Substances (AICS)	y (Positive listing)	
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Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (Positive listing)	
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TSCA list	y (Positive listing)	On TSCA Inventory
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EU list of existing chemical substances	y (Positive listing)	
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Canada NDSL Inventory	n (Negative listing)	
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**US REGULATORY INFORMATION:****SARA (311,312) HAZARD CLASS**

Acute Health Hazard; Chronic Health Hazard; Fire Hazard: SARA (313) CHEMICALS

**CALIFORNIA PROPOSITION 65**

WARNING! This product contains a chemical known in the State of California to cause cancer. 108-88-3, Toluene.

**CANADIAN REGULATORY INFORMATION:****WHMIS HAZARD CLASS** Flammable Liquid, D2B TOXIC MATERIALS**16. OTHER INFORMATION****DATE PREPARED:** November 16, 2015**LAST KNOWN REVISION:** MSDS, March 10, 2010**CHANGES SINCE LAST REVISION:** Re-formatting from MSDS to SDS per OSHA Brief 3514

**OTHER** This data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate., C = ceiling limit, NEGL = negligible, EST = estimated, NF = none found, NA = not applicable, UNKN = unknown, NE = none established, REC = recommended, ND = none determined, V = recommended by vendor, SKN = skin, TS = trade secret, R = recommended, MST = mist, NT = not tested, STEL = short term exposure limit, ppm = parts per million, ppb = parts per billion, By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).