

Myers Vacuum

Material Safety Data Sheet

Version 1.0

Celvaseal Leak Sealant -

03/10/2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Myers Vacuum
1155 Myers Lane
Kittanning, PA 16201

Revised: 03/10/20010

Preparer: REK
CHEMPREC 1-800-424-9300

Chemical Family/Use: Silicone
Formula: Silicone resin in solvent(s)

HMIS

Flammability: 3 Reactivity: 0 Health: 2

NFPA

Flammability: 3 Reactivity: 0 Health: 2

2. HAZARDS IDENTIFICATION**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 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.

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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.

ROUTES OF EXPOSURE Inhalation; Dermal; Eyes; Oral.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

4. FIRST AID MEASURES

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

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

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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

FLASH POINT:	17 °C; 63 °F
METHOD:	closed cup
IGNITION TEMPERATURE:	Unknown
FLAMMABLE LIMITS IN AIR -LOWER (%):	Unknown
FLAMMABLE LIMITS IN AIR -UPPER (%):	Unknown
SENSITIVITY TO MECHANICAL IMPACT:	No
SENSITIVITY TO STATIC DISCHARGE:	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.

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 vapour 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 MSDS for details

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

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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).

PROTECTIVE GLOVES: Rubber or plastics gloves

EYE AND FACE PROTECTION: Safety glasses with side-shields; Monogoggles.

OTHER PROTECTIVE EQUIPMENT: Rubber apron

Exposure Guidelines

Component	CAS RN	Source	Value
2-Propanol	67-63-0	OSHA Z1, PEL	400 ppm; 980 mg/m ³
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).

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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT -C & F:	Not applicable
VAPOR PRESSURE (20 C) (MM HG):	Not applicable
VAPOR DENSITY (AIR=1):	No data available
FREEZING POINT:	Not applicable
MELTING POINT:	Not applicable
PHYSICAL STATE:	Liquid
ODOR:	aromatic
COLOR:	Clear to Amber
SPECIFIC GRAVITY (WATER=1):	1.14
DENSITY:	ca. 1.138 g/cm3
ACID / ALKALINITY (MEQ/G):	ESS.NEUT
pH:	Not applicable
VOLATILE ORGANIC CONTENT (VOL):	20.00 %(m)
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Soluble in toluene
VOC EXCL. H2O & EXEMPTS (G/L):	237

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS Carbon dioxide (CO₂); 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. A MSDS for formaldehyde is available.

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

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

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11. TOXICOLOGICAL INFORMATION**ACUTE ORAL:** Remarks: Not applicable.**ACUTE DERMAL:** Remarks: Not applicable.**ACUTE INHALATION:** Remarks: Not applicable.**OTHER:** None.**MUTAGENICITY:** Unknown

OTHER EFFECTS OF OVEREXPOSURE More severe effects if alcohol is consumed., Health hazards listed in this MSDS apply to the component 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.

12. ECOLOGICAL INFORMATION**ECOTOXICITY:** No data available**CHEMICAL FATE:** No data available**13. DISPOSAL CONSIDERATIONS**

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.

14. TRANSPORT INFORMATION

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

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15. REGULATORY INFORMATION**Inventories**

Canada DSL Inventory	y (Positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (Positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (Positive listing)	
China Inventory of Existing Chemical Substances	y (Positive listing)	
Australia Inventory of Chemical Substances (AICS)	y (Positive listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (Positive listing)	
TSCA list	y (Positive listing)	On TSCA Inventory
EU list of existing chemical substances	y (Positive listing)	
Canada NDSL Inventory	n (Negative listing)	

US Regulatory Information:**SARA (311,312) HAZARD CLASS**

Acute Health Hazard; Chronic Health Hazard; Fire Hazard:

SARA (313) CHEMICALS

Canadian Regulatory Information**WHIMIS HAZARD CLASS**

Flammable Liquid, D2B TOXIC MATERIALS

CALIFORNIA PROPOSITION 65

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

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16. OTHER INFORMATION

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).