



Material Safety Data Sheet

Revision Date 31-Mar-2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 55372
Product name Concretestik Epoxy Pouch
Recommended Use Coating

Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable. Irritant.

Color Gray

Odor Solvent

Form Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Eyes. Inhalation.

Potential health effects

Eyes May cause the following effects: Irritation. Swelling.

Skin May cause the following effects: Skin Irritation.

Inhalation May cause irritation of the nose and throat. Central nervous system effects. Dizziness. Headaches. Fatigue. Nausea. Extreme overexposure may cause. Kidney damage. Lung damage. Liver damage. Cardiac abnormalities. Damage to blood. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	10-30
Acetone	67-64-1	10-30
Propane	74-98-6	10-30
N-Butane	106-97-8	7-13
Stainless Steel	65997-19-5	5-10
Xylene (mix)	1330-20-7	5-10
Mineral Spirits	64742-47-8	0.5-1.5
Ethyl benzene	100-41-4	0.5-1.5

4. FIRST AID MEASURES

Eye contact	Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.
Skin contact	Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
Ingestion	Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

Flash point °C	No data available
Flash point °F	No data available
Method	No information available

Autoignition temperature °C	No data available
Autoignition temperature °F	No data available

Flammability Limits (% in Air)	
Upper	No data available
Lower	No data available

Suitable extinguishing media
Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam . Sand.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards
Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F. Vapors may form explosive mixture in air between upper and lower explosive limits which can be ignited by many sources, such as pilot lights, open flames, electrical motors and switches.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Evacuate area of unprotected and unnecessary personnel. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling

Do not spray on a naked flame or any other incandescent material. Do not smoke. Protect against electrostatic charges.

Storage

Small pressurized containers of flammable product may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements. Keep away from heat. Keep away from direct sunlight. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Toluene	200 ppm	300 ppm	20 ppm	-
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
N-Butane	-	-	1000 ppm	-
Stainless Steel	0.2 mg/m ³ 2 µg/m ³ 5 mg/m ³ 50 µg/m ³	5 µg/m ³ 5 mg/m ³	0.002 mg/m ³ 0.02 mg/m ³ 0.05 mg/m ³ 0.2 mg/m ³ 0.5 mg/m ³ 1 mg/m ³ 5 mg/m ³	0.01 mg/m ³ 10 mg/m ³
Xylene (mix)	100 ppm 435 mg/m ³	-	100 ppm	150 ppm
Mineral Spirits	-	-	-	-
Ethyl benzene	100 ppm 435 mg/m ³	-	100 ppm	125 ppm

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Respiratory protection

None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Aerosol	Color	Gray
Odor	Solvent	Odor Threshold	No information available
pH	No data available	Specific Gravity	No data available
Vapor pressure	No data available	Vapor density	No data available
Evaporation Rate	No data available	VOC Content	59.4%; 610 g/l; 5.09 lb/gl
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
MIR value	1.88		
		Boiling point/range °C	No data available
Boiling point/range °F	No data available	Melting point/range °C	No data available
Melting point/range °F	No data available	Flash point °C	No data available
Flash point °F	No data available		

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Incompatibility

None known.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Toluene</i> 108-88-3	12.5 mg/L 12124 mg/kg 636 mg/kg 8390 mg/kg 26700 ppm	12.5 mg/L 12124 mg/kg 636 mg/kg 8390 mg/kg 26700 ppm	12.5 mg/L 12124 mg/kg 636 mg/kg 8390 mg/kg 26700 ppm
<i>Acetone</i> 67-64-1	5800 mg/kg	5800 mg/kg	5800 mg/kg
<i>Propane</i> 74-98-6	658 mg/L	658 mg/L	658 mg/L
<i>N-Butane</i> 106-97-8	658 mg/L	658 mg/L	658 mg/L
<i>Stainless Steel</i> 65997-19-5	-	-	-

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Xylene (mix)</i> 1330-20-7	4300 mg/kg 47635 mg/L 5000 ppm 1700 mg/kg	4300 mg/kg 47635 mg/L 5000 ppm 1700 mg/kg	4300 mg/kg 47635 mg/L 5000 ppm 1700 mg/kg
<i>Mineral Spirits</i> 64742-47-8	2000 mg/kg 5.2 mg/L 5000 mg/kg	2000 mg/kg 5.2 mg/L 5000 mg/kg	2000 mg/kg 5.2 mg/L 5000 mg/kg
<i>Ethyl benzene</i> 100-41-4	15354 mg/kg 17.2 mg/L 3500 mg/kg	15354 mg/kg 17.2 mg/L 3500 mg/kg	15354 mg/kg 17.2 mg/L 3500 mg/kg

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Mutagenic effects

None known

Reproductive toxicity

None known

Carcinogenic effects

See table below

Chronic toxicity

None known

Teratogenic effects

None known

Target Organ Effects

Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage. Kidney. Lungs. Liver. Heart. Blood.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Toluene	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Stainless Steel	A1 - Confirmed Human Carcinogen A3 - Confirmed animal carcinogen with unknown relevance to humans A4 - Not Classifiable as a Human Carcinogen	Group 1 Group 2A Group 2B	Known Human Carcinogen	Reasonably Anticipated To Be A Human Carcinogen	Listed
Xylene (mix)	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl benzene	A3 - Confirmed animal carcinogen with unknown relevance to humans	Group 2B	Not Listed	Not Listed	Listed

12. ECOLOGICAL INFORMATION

Toluene

Microtox Data

Photobacterium phosphoreum EC50=19.7 mg/L (30 min)

Water Flea Data

Daphnia magna EC50=11.3 mg/L (48 h)

water flea EC50=11.3 mg/L (48 h)

water flea EC50=310 mg/L (48 h)

Acetone

Microtox Data

Photobacterium phosphoreum EC50=14500 mg/L (15 min)

Water Flea Data*water flea EC50=0.0039 mg/L (48 h)**Daphnia magna EC50=12600 mg/L (48 h)**water flea EC50=12700 mg/L (48 h)*

Xylene (mix)

Microtox Data*Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)***Water Flea Data***Gammarus lacustris LC50=0.6 mg/L (48 h)**water flea EC50=3.82 mg/L (48 h)*

Mineral Spirits

Water Flea Data*Den-dronereides heteropoda LC50=4720 mg/L (96 h)*

Ethyl benzene

Microtox Data*Photobacterium phosphoreum EC50=9.68 mg/L (30 min)**Nitrosomonas EC50=96 mg/L (24 h)***Water Flea Data***Daphnia magna EC50 1.8 - 2.4 mg/L (48 h)***13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Please recycle empty container whenever possible.

14. TRANSPORT INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

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Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Stainless Steel	Listed
Xylene (mix)	Listed
Ethyl benzene	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Toluene	Listed	Listed	Developmental
Acetone	Listed	Listed	
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Stainless Steel	Not Listed	Listed	Carcinogen Developmental
Xylene (mix)	Not Listed	Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed
Ethyl benzene	Listed	Listed	Carcinogen

Chemical Name	EINECS	DSL	NDSL	TSCA
Toluene	X	X	-	X
Acetone	X	X	-	X
Propane	X	X	-	X
N-Butane	X	X	-	X
Stainless Steel	X	X	-	X
Xylene (mix)	X	X	-	X
Mineral Spirits	X	X	-	X
Ethyl benzene	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	1	Health	1
Flammability	4	Flammability	4
Reactivity	3	Physical Hazard	3

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.