

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) Polyurethane CONCRETE & MASONRY SEALANT gray  
MSDS Number: P73263125  
Version Number  
MSDS Date: AUG-30-2001  
Page Number: 1

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SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: PL(R) Polyurethane CONCRETE & MASONRY  
SEALANT gray  
Hazard Rating: Health: 2 Fire: 1 Reactivity: 0 PPI: G

Company Identification: OSI SEALANTS, INC.  
7405 PRODUCTION DRIVE  
MENTOR OH 44060

Contact: Safety Officer  
Telephone/Fax: (440) 255-8900 (440) 974-2395  
Emergency Phone (24 hour) CHEMTREC  
(800) 424-9300  
Chemtrec (outside-USA) (703) 527-3887  
Preparer T.F.Barr  
Sr. R.&D. Chemist

Product Class URETHANE SEALANT  
Trade Name PL-BRANDS  
Product Code See NO. above

SECTION II - INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
STODDARD SOLVENT	8052-41-3	5 - 10	Y
Titanium Dioxide **	13463-67-7	< 5.0	Y
SILICA, QUARTZ	14808-60-7	TRACE	Y

Ingredient Notes:

\*\*The main hazard for Titanium Dioxide is dust inhalation. Because of its incorporation into the caulk, exposure by inhalation is unlikely.

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SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

Form: High viscosity, non sag caulk.  
Appearance/Color: Various  
Odor: Mild,oily  
Solubility (in water): insol.

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pH Value, +/- .3: Not Applicable  
Boiling Range: 250.0F - 484.0F (121.110C - 251.110C)  
Vapor Pressure (mmHg): less than 4. @ 68.0F (20.0C)  
Evaporation Rate: 0.1 times Slower than n-Butyl Acetate

Vapor Density: Heavier than air

% Volatile, Weight approx. 8.0%  
% Volatile, Volume Not Available  
Specific Gravity: 1.1805  
VOC (less H2O or exempt) 75-95 Gr/L  
Heavy Elements (ppm) 0.

NOTE:

\*\*BOIL RANGE, EVAP RATE, VAPOR PRESSURE, AND VAPOR DENSITY  
FOR SOLVENT ONLY!!

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SECTION IV - FIRE FIGHTING MEASURES (Flash,UEL,LEL for solvent only)  
Flammability Class II  
Flash Range: 121.0F (49.440C)  
Setaflash  
Explosive Range (LEL/UEL): 0.9%  
7.0%

EXTINGUISHING MEDIA:

Carbon Dioxide---Dry Chemical---Foam  
Use water to cool material in vicinity of fire.

SPECIAL FIRE-FIGHTING PROCEDURES:

Use self-contained breathing apparatus with full facepiece  
operated in pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Water may be unsuitable except as a cooling agent.  
Use fog nozzle. Any closed container may rupture when  
exposed to extreme heat.

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SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY:

ENTRY THROUGH...

Inhalation? Yes | Skin? Yes | Ingestion? Yes

TARGET ORGANS...

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Overexposure -- Toluene Diisocyanate ( <0.1%): Skin, Eyes  
A known skin sensitizer

CARCINOGENICITY...

NTP? N/E | IARC Monographs? N/E | OSHA? NO  
use of this product does not produce dust. Sanding dried  
material could generate trace amounts of silica (quartz) which  
is a suspect human carcinogen by IARC.

EFFECTS OF OVEREXPOSURE

Eyes: Can cause irritation, redness, tearing and blurred vision.  
Skin: Repeated contact can cause moderate irritation, dermatitis  
and possible sensitivity. Allergic reactions are possible.  
Inhalation: Headaches, dizziness, nausea, decreased blood pressure,  
irritation, coughing, chest discomfort. See Chronic below.  
Ingestion: Can cause gastrointestinal irritation, nausea.  
CHRONIC HAZARDS: Preexisting respiratory or skin conditions may be  
aggravated by exposure. This product contains an isocyanate. Persons  
with a history of exposure to isocyanates may experience reddening  
swelling, rash or blisters. Such individuals could also experience  
chemical asthma, and non-specific asthmatic conditions. Skin and  
respiratory sensitization can result from repeated exposures to  
isocyanates. For most individuals these effects are reversible.  
NOTICE: Reports have associated repeated and prolonged  
occupational overexposure to solvents with permanent brain,  
nervous system, liver or kidney damage or may cause cardiac  
arrhythmia. INTENTIONAL misuse of this product by  
deliberately inhaling its vapors may be harmful or fatal.

FIRST AID MEASURES

Eyes: Flush with large amounts of water for at least 15 minutes  
lifting eyelids occasionally; get prompt medical attention  
Skin: Wash thoroughly with soap and water; apply a mild skin  
cream. Remove contaminated clothing. Rubbing alcohol may help  
to remove uncured adhesive.  
Inhalation: Remove affected person to fresh air; if breathing is  
difficult, administer oxygen; if breathing has stopped,  
give artificial respiration. Get medical attention.  
Ingestion: DO NOT INDUCE VOMITING! Get immediate medical atten-  
tion.

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SECTION VI - STABILITY AND REACTIVITY

Stability: This product is stable  
Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATABILITY:

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Keep away from strong oxidizing agents, alkalies, acids,  
alcohols, detergents and water .

CONDITIONS TO AVOID:

Keep away from heat, spark, and open flame.

Product cures in contact with water.

HAZARDOUS DECOMPOSITION PRODUCTS:

Will produce fumes and smoke containing carbon monoxide and  
dioxide and nitrogen oxides under fire conditions.

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SECTION VII - ACCIDENTAL RELEASE AND DISPOSAL MEASURES:

STEPS TO BE TAKEN IN CASE OF SPILL:

Eliminate all ignition sources.

Ventilate confined areas. (Open windows and doors)

Cover with absorbent, scoop into sealable safety container.

Wear protective clothing.

WASTE DISPOSAL METHOD:

Dispose of following local, state, and federal regulations.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
STODDARD SOLVENT					
	100.00 PPM	N/est	N/est	N/est	100.00 PPM
Titanium Dioxide **					
	10.00 mg/F3	N/est	N/est	N/est	15.00 mg/F3
SILICA, QUARTZ					
	0.10 mg/M3	N/est	N/est	N/est	0.10 mg/M3

Note: The TLV for Silica is for the respirable fraction of dust only.

RESPIRATORY PROTECTION:

If TLV of the product is exceeded, wear NIOSH/MSHA jointly  
approved respiratory protection in the absence of proper  
ventilation. Follow applicable OSHA regulations.

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust)

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ventilation to maintain exposure below TLV. Ventilate during application and curing of this product.

PROTECTIVE CLOTHING:

Rubber gloves should be worn.  
Cover arms and legs to minimize exposure.

EYE PROTECTION:

Eye protection should be worn.

HANDLING AND STORAGE PRECAUTIONS:

Keep away from sunlight, heat and flame  
Keep out of reach of children  
Keep container tightly closed when not in use  
Do not reuse this container  
Wear protective clothing, Wash skin thoroughly after use.  
Avoid contact with eyes, skin or clothing.

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SECTION IX - TRANSPORT INFORMATION:

DOT CLASSIFICATIONS FOR CARTRIDGES 10 or 29 oz.

Not Regulated

DOT CLASSIFICATIONS for 1 GALLON or larger CONTAINERS

Not Regulated

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SECTION X - REGULATORY INFORMATION:

-PROP 65 (CARCINOGEN)

WARNING: This product contains a chemical known to the state of California to cause cancer.

Ingredient Name	CAS Number	Percent
SILICA, QUARTZ	14808-60-7	TRACE

The material fits the EPA Hazard Category definition of Immediate (Acute) and Delayed (Chronic) health hazards under SARA Sections 311, 312.

DISCLAIMER:

The information contained herein is based on data available as of the date of preparation of this MSDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and the user must make his own investigation to determine the suitability of the information or products for his particular purpose, for the protection of the environment, and the health and safety of the users of this material.

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