

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) CONTACT CEMENT
MSDS Number: P07922
Version Number
MSDS Date: JUN-19-2001
Page Number: 1

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: PL(R) CONTACT CEMENT
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 PPI: B

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 ADHESIVE
Trade Name PL Brands
Product Code P07922,P07924

SECTION II - INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
TOLUENE	108-88-3	40 - 60	Y
PETROLEUM NAPHTHA	64742-89-8	15 - 25	Y
ETHYL ACETATE	141-78-6	5 - 10	Y

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Solubility (in water): None
pH Value, +/- .3: Not Applicable
Boiling Range: 168.0°F - 254.0°F (75.56°C - 123.33°C)
Vapor Pressure (mmHg): 35.0 @ 68.0°F (20.0°C)
Evaporation Rate: 3. times Faster than n-Butyl Acetate

Vapor Density: Heavier than air

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) CONTACT CEMENT
MSDS Number: P07922
Version Number
MSDS Date: JUN-19-2001
Page Number: 2

% Volatile, Weight approx. 81.%
% Volatile, Volume approx. 60.%
Specific Gravity: 0.88867
VOC (less H2O or exempt) 720 Gr/l
Heavy Elements (ppm) 0.

NOTE:

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

SECTION IV - FIRE FIGHTING MEASURES (Flash,UEL,LEL for solvent only)
Flammability Class IB
Flash Range: 23.0F (-5.0C)
Tag Closed Cup
Explosive Range (LEL/UEL): 1.7%
7.1%

EXTINGUISHING MEDIA:

Use NFPA Class B Fire extinguishers (carbon dioxide, dry chemical or alcohol foam) designed to extinguish flammable liquid fires.

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.
Closed containers are subject to possible auto-ignition or
explosion when exposed to extreme heat, due to pressure build-up.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY:

Toluene has been found to cause kidney, lung and spleen damage
in laboratory animals.

Repeated overexposure to Toluene may cause liver damage.

EFFECTS OF OVEREXPOSURE

Eyes: Can cause irritation, redness, tearing and blurred vision.

Skin: Prolonged or repeated contact can cause moderate
irritation, defatting, and dermatitis.

Inhalation: Excessive inhalation of vapors can cause respiratory
irritation, headache, drowsiness and fatigue. High
concentrations of vapors are anesthetic and may cause

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) CONTACT CEMENT
MSDS Number: P07922
Version Number
MSDS Date: JUN-19-2001
Page Number: 3

central nervous system effects such as dizziness.
Ingestion: Can cause gastrointestinal irritation, nausea,
vomiting and diarrhea.

NOTICE: Reports have associated repeated and prolonged occupational
overexposure to solvents with permanent brain, nervous system,
liver or kidney damage and mucous membrane irritation.
INTENTIONAL misuse of this product by deliberately inhaling its
vapors may be harmful or fatal.

FIRST AID MEASURES

Eyes: Flush eyes gently with 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.
Inhalation: Move 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 attention.

SECTION VI - STABILITY AND REACTIVITY

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

INCOMPATIBILITY:

Keep away from strong acids or alkaline materials.
Do not store over 115 F (46 C).

CONDITIONS TO AVOID:

Keep away from heat, spark, open flames and any ignition source.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

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). Wear appropriate protective clothing.
Cover with absorbent. Scoop into sealable safety container.

WASTE DISPOSAL METHOD:

Dispose of following local, state, and federal regulations.

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) CONTACT CEMENT
MSDS Number: P07922
Version Number
MSDS Date: JUN-19-2001
Page Number: 4

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
TOLUENE	100.00 PPM	N/est	150.00 PPM	150.00 PPM	150.00 PPM
PETROLEUM NAPHTHA	300.00 PPM	N/est	N/est	400.00 PPM	300.00 PPM
ETHYL ACETATE	400.00 PPM	N/est	N/est	N/est	400.00 PPM

RESPIRATORY PROTECTION:

If TLV of the product is exceeded, a NIOSH/MSHA jointly approved air supply respirator is advised in the absence of proper ventilation. OSHA regulations also permit the use of other types of NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier for more information)

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

Ventilate during application and curing of this product.

PROTECTIVE CLOTHING:

Rubber gloves should be worn where skin contact is likely. Wear impervious clothing and shoes.

EYE PROTECTION:

Chemical goggles or safety glasses should be worn.

HANDLING AND STORAGE PRECAUTIONS:

Keep away from heat, spark and flame.

Keep out of reach of children.

Keep container closed while not in use.

Do not cut or burn recepticals that have contained a solvent based product. Do not reuse this container.

Use only in a well ventilated area.

N/A=NOT APPLICABLE N/AV=NOT AVAILABLE N/E, N/est=NOT ESTABLISHED

SECTION IX - TRANSPORT INFORMATION:

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) CONTACT CEMENT
 MSDS Number: P07922
 Version Number
 MSDS Date: JUN-19-2001
 Page Number: 5

DOT CLASSIFICATIONS FOR ONE GALLON AND UNDER CONTAINERS

For CEMENTS in QUART or GALLON CANS:

TRANSPORT	PROPER SHIPPING NAME	CLASS, I.D.#,	PKG	GRP
DOMESTIC SURFACE	ADHESIVES	3	UN1133	II
DOT (HM-181)	NAERG: 128			

IATA (AIR)	ADHESIVES	3	UN1133	II
	Label:FLAMMABLE LIQUID			
	CARGO: 307-60L,PASS:305-5L			

IMDG CODE	ADHESIVES, Flammable liquid	3.2	UN1133	II
(ocean)	label class 3			
	IMDG page 3174; EMS 3-05			

SECTION X - REGULATORY INFORMATION:

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
TOLUENE	108-88-3	40 - 60

-PROP 65 (TERATOGEN)

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Ingredient Name	CAS Number	Percent
TOLUENE	108-88-3	40 - 60

The following ingredients are registered for TSCA 12B

Ingredient Name	CAS Number	Percent
ETHYL ACETATE	141-78-6	5 - 10

This material fits the EPA Hazard Category definition of Immediate (Acute)and Delayed (Chronic) Health Hazards and Fire Hazard under SARA Sections 311, 312.

Chemical ingredients are listed on the TSCA inventory.

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(R) CONTACT CEMENT
MSDS Number: P07922
Version Number
MSDS Date: JUN-19-2001
Page Number: 6

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.