



EMERGENCY TELEPHONE: : CHEMTREC (800-424-9300 within US) Outside US (703-527-3887)

MATERIAL SAFETY DATA SHEET

This Material Safety Data sheet (MSDS) meets the requirements of the Federal OSHA Hazard communications standard (29 CFR 1910.1200).

MSDS ISSUE Date: 01/01/2002
SUPERCEDES MSDS DATED:

SECTION I. PRODUCT IDENTIFICATION

PRODUCT NAME: PRINTEX PadLife™
CHEMICAL FAMILY: polydimethylsiloxane
CHEMICAL NAME AND SYNONYMS: Not applicable
FORMULA: $(c133)3SiO\{(CH3)2SiO\}_xSi(CH3)_3$

SECTION I A. HAZARDOUS COMPONENTS

This material is considered to be non-hazardous under OSHA criteria.

SECTION II. PHYSICAL PROPERTIES

BOILING POINT, *degrees* F: Nonvolatile
VAPOR PRESSURE, 68 deg.F mm. Hg: <1
VAPOR DENSITY (Air=1): Not determined
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Clear, colorless, liquid with minimal odor
SPECIFIC GRAVITY (Water = 1): 0.953-0.977
PERCENT VOLATILE (by weight): Negligible
EVAPORATION RATE (Ether = 1): Nil
FLASH POINT, *degrees* F: 460 deg F (240 deg C) Higher visc. 505 deg F (265 deg C)
Lower visc.
(Method used) Pensky-Martens
FLAMMABLE LIMITS IN AIR, % LEL: Not determined
UEL: Not determined

SECTION III. FIRE HAZARDS

This material is a liquid which burns with difficulty, but will support combustion.

SECTION IV. FIREFIGHTING TECHNIQUES

Use standard fire fighting techniques to extinguish fires involving this material: use water spray, dry chemicals or carbon dioxide.
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SECTION V. TOXICOLOGY



DERMAL: Acute dermal LD50 is >10,200 mg/kg in rabbits.

350 cSt fluid was evaluated January 18, 1989 with the following results:

DERMAL SENSITIZATION: Non-sensitizer by topical occlusive application in the guinea pig.

350 cSt fluid was evaluated November 17, 1988 with the following results:

MUTAGENICITY TESTING: Salmonella typhimurium/mammalian microsome plate incorporation assay did not show mutagenic potential, with and without metabolic activation.

350 cSt fluid was evaluated in 1993 and 1994 with the following results:

SKIN ABSORPTION: Results of dermal penetration studies indicate very little absorption through the skin.

SECTION VI. HUMAN HEALTH HAZARDS

EYE CONTACT: May cause irritation.
SKIN CONTACT: No toxic effects expected.
INHALATION: No toxic effects expected.
INGESTION: Not expected in industrial use.
ACUTE EFFECTS OF EXPOSURE: Refer to routes of exposure above.
CHRONIC EFFECTS OF EXPOSURE: None known.

There are no data available which address medical conditions that are generally recognized as being aggravated by exposure to this product.

This material does not contain any ingredients listed by IAIRC, NTB or OSHA as carcinogens in amounts exceeding 0.1%. This product contains methyl polysiloxane, which can generate formaldehyde vapors when exposed to temperatures exceeding 302 degrees F (150 degrees C) in the presence of air. Formaldehyde is a potential cancer hazard, causes irritation and sensitization of the skin and respiratory system, causes eye and throat irritation, and is acutely toxic. Safe conditions of use can be ensured by monitoring and controlling vapor concentrations in accordance with 29 CFR 1910.1048.

SECTION VII. FIRST AID

EYE CONTACT: In case of contact, flush eyes well with water for 15 minutes. Obtain medical attention if irritation occurs.

SKIN CONTACT: Remove excess material from the skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes: Wash clothing before reuse. Obtain medical attention if irritation occurs.

INHALATION: If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or breathing becomes difficult.

INGESTION: Never give an unconscious person anything to drink. If unconscious, treat for shock. Notify a physician or the nearest poison control center immediately. If conscious, have the person rinse his mouth with cold water. If conscious, induce vomiting by using a finger or other object such as a spoon to tickle the back of the throat. If unconscious and vomiting, turn the person on his side to avoid choking. Allow the victim to drink as much cold water as desired.

SECTION VIII. INDUSTRIAL HYGIENE

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INGESTION: Open containers of food and beverages should be kept away from areas where the product is used or stored: Eating, drinking, smoking and application of cosmetics should be prohibited in areas where the product is being used. Before eating, hands and face should be washed to remove residual contamination.



selected with regard for use condition exposure potential.

INHALATION: If the product is used under conditions which generate airborne contamination, these processing operations should be carried out in open, well-ventilated areas, or in enclosed areas equipped with local exhaust ventilation. If adequate ventilation is not available, employees should be provided with appropriate, approved, air-purifying or supplied-air respirators selected in accordance with NIOSH guidelines.

EXPOSURE LIMITS: No exposure limit has been established for this material. Exposure limits for its hazardous components, if any, are listed in Section IA on page one.

SECTION IX. CHEMICAL REACTIVITY

Relatively non-reactive.

SECTION X. STABILITY

Stable at ambient temperatures and atmospheric pressure.

HAZARDOUS/THERMAL DECOMPOSITION PRODUCTS: SiO₂, CO, CO₂, formaldehyde and various hydrocarbon fragments.

High temperatures >150 degrees C in presence of air may generate formaldehyde and formic acid.

SECTION XI. SPILL HANDLING

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices (refer to SECTION VIII: INDUSTRIAL HYGIENE)

Absorb spill with sand or Fuller's earth. Sweep up and place in an appropriate chemical waste container. Flush spill area with water. Observe all local, state, and federal laws and regulations regarding disposal, spill, cleanup, removal, or discharge.

(See SECTION XIV: DISPOSAL OF UNUSED MATERIAL)

Clean up spills thoroughly as residue is slippery. Dike all spills to prevent material from flowing into public and municipal waterways.

IN CASE OF A SPILL EMERGENCY, DAY OR NIGHT, CALL CHEMTREC (800-424-9300) .

SECTION XII. CORROSIVITY TO MATERIALS OF CONSTRUCTION

Non-corrosive to materials commonly used in the construction of process equipment, storage and shipping containers.

SECTION XIII. STORAGE REQUIREMENTS

Store in a cool, dry well-ventilated area.

SECTION XIV. DISPOSAL OF UNUSED MATERIAL

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource conservation and Recovery Act (RCRA)

Note: State and local regulations may be more stringent than those under RCRA.

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SECTION XV. DISPOSAL OF CONTAINER



SECTION XVI. REGULATORY INFORMATION

-TSCA: This material or its components are listed on the TSCA Chemical Substance Inventory and is in compliance with all applicable rules and orders.

-SARA: This material does not contain any substances on the list of Toxic Chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III).

-RCRA Waste Number: Not applicable

-Department of Transportation (DOT):

Proper shipping name (172.101 (C)):	None - not regulated
Technical Name(s) (172.203 (k)):	None
Hazard Class (172.101 (d)):	None - non-hazardous
UN/NA Number (172.101 (e)):	Not applicable
Label Required:	None
Hazardous Substance RQ (Name):	Not applicable
Inhalation hazard (173.3a (b)):	Not applicable

This material or its components are listed on the Canadian Domestic Substance List (DSL).

CANADIAN INGREDIENT DISCLOSURE LIST: This material does not contain listed components in quantities greater than the specified weight-to-weight concentration.

California Proposition 65: No components listed.

Massachusetts substance List: No components listed.

Pennsylvania Hazardous Substance List: No components listed.

New jersey R-T-K Hazardous Substance List: No components listed.

Hazardous Materials Identification System (HMIS) (for material as packaged):

Health Hazard =	1
Flammability Hazard =	1
Reactivity Hazard =	0
Personal Protection=	B

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association.

SECTION XVII. ADDITIONAL INFORMATION

n.e. = Not established; n.a. = Not applicable/not available; n.d. = Not determined; TLV = Threshold Limit Value; PEL permissible Exposure Limit; OSHA = Occupational safety and Health Administration; ACGIH = American conference of Governmental Industrial Hygienists; LEL

= Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic substances Control Act; SARA = Superfund Amendments and Reauthorization Act; DOT = Department of Transportation.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable. Slip of the date is considered. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe