



Material Safety Data Sheet

SECTION I - IDENTIFICATION

PRODUCT NAME: POLYKEN™ 1019SPR Liquid Adhesive
CHEMICAL FAMILY: Petroleum hydrocarbon
DOT ID NO: UN1139 (Coating Solution)
HAZARD CLASS: Flammable Liquid (IMO Class 3.0);
WHMIS Class B, Division 2) HMIS 240X

EMERGENCY TELEPHONE NUMBER: CHEMTREC 1-800-424-9300
OTHER TECHNICAL/HEALTH/SAFETY INFORMATION: (781) 372-2200

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	CAS REG NO	AMOUNT	OSHA PEL*	ACGIH TLV**
n-HEPTANE	142-82-5	Approx. 73%	500 ppm TWA	400 ppm TWA 500 ppm STEL
TOLUENE	108-88-3	Approx. 4%	200 ppm TWA	300 ppm (ceiling) 50 ppm TWA
METHANOL	67-56-1	Approx. 4%	200 ppm TWA	200 ppm TWA 250 ppm STEL

* OSHA 29 CFR 1910.1000

** American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV), 1999

SECTION III – PHYSICAL/CHEMICAL INFORMATION

BOILING POINT:	199°F	VAPOR DENSITY (Air=1):	3.5*
pH:	Neutral	VAPOR PRESSURE:	64 mm Hg (75°F)*
SPECIFIC GRAVITY:	0.75	WATER SOLUBILITY:	Negligible
FREEZING POINT:	Less than -50°F	EVAPORATION RATE (BuAc=1):	5.8*
VISCOSITY:	48 cP	VOC:	5.03 lbs/gal

APPEARANCE AND ODOR: Black, viscous liquid with odor of hydrocarbon solvents.

- Based on n-Heptane (most volatile component)

SECTION IV – FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 10°F (Pensky-Martens)
AUTOIGNITION TEMPERATURE: Approximately 419°F (n-Heptane)
LEL: 0.7 Percent **UEL:** 6.5 Percent @ 50°C
EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, water fog, or spray.

SPECIAL FIRE FIGHTING PROCEDURES: If only water is available, use spray and not a direct hose stream.

Isolate hazard area and do not permit unnecessary personnel to enter.
Avoid breathing vapors. Wear full protective clothing, including NIOSH approved self-contained breathing apparatus.
Cool surrounding areas and exposed containers with water.

UNUSUAL FIRE & EXPLOSION HAZARDS: The material is a dangerous fire hazard when exposed to heat and flame. Avoid high temperatures, sparks, or open flames.

SECTION V – REACTIVITY DATA

STABILITY: Stable under most conditions. Avoid high temperatures, sparks, and open flame.

INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents such as liquid chlorine, pure oxygen, sodium hypochlorite, and calcium hypochlorite.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and complex organic hydrocarbons may be formed upon combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI – HEALTH HAZARD DATA

COMPONENTS LISTED AS KNOWN OR POTENTIAL CARCINOGENS: None listed by NTP, IARC or OSHA.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Chronic respiratory disease.

ACUTE EFFECTS OF OVEREXPOSURE:

INHALATION: May be irritating to mucous membranes. Inhalation of vapors may lead to giddiness, dizziness, nausea, and loss of consciousness.

SKIN CONTACT: May be mildly irritating to the skin. Prolonged or repeated exposure may result in defatting of skin, possibly leading to dermatitis.

EYE CONTACT: Short-term exposure may lead to irritation. **NOTE:** Wearing of contact lenses is not recommended when using this product.

INGESTION: Ingestion of the liquid may lead to vomiting.

CHRONIC EFFECTS OF OVEREXPOSURE: Defatting of skin, dermatitis, eye, kidney or liver damage, CNS depression, headaches, impaired vision

EMERGENCY & FIRST AID PROCEDURES:

INHALATION: Move affected person to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if necessary. Seek medical advice.

SKIN CONTACT: Flush with water, then wash affected area with soap and water. Remove contaminated clothing immediately and launder before reuse. If irritation develops, seek medical advice.

EYE CONTACT: Flush with water for at least 15 minutes and seek medical advice.

INGESTION: DO NOT INDUCE VOMITING! If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical advice.

TOXICITY INFORMATION:

n-Heptane	ihl-hum TCL	1000 ppm / 6M
	ivn-mus LD ₅₀	222 mg kg.

Toluene	ihl-hum TCL	200 ppm
	ivn-hum LD ₅₀	5320 ppm/8H
Methanol	orl-hum	50 mg/kg
	ihl-hum TCL	86000 mg/m ³
	orl-rat LD ₅₀	5628 mg/kg

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DANGER! FLAMMABLE!

Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking.

LARGE SPILLS: Isolate the hazard area and keep unnecessary personnel away. Wear appropriate protective clothing and NIOSH approved self-contained breathing apparatus. Ventilate area. Confine free liquid by diking and remove liquid with explosion-proof vacuum truck or pump to chemical storage vessel. Soak up residue with inert absorbent material such as clay or sand; place in leak-free container, label as to contents, and hold for proper disposal. Dispose of spill material according to applicable regulations.

DO NOT ALLOW MATERIAL TO ENTER SEWERS OR WATER COURSES LEADING TO SURFACE WATERS.

SMALL SPILLS: Take up with inert absorbent material and place in non-leaking containers; label as to contents; seal tightly for proper disposal.

WASTE DISPOSAL: Dispose of material according to applicable Federal or State regulations.

PRECAUTIONS FOR HANDLING AND STORING: Do not store in excessive heat so as to avoid pressure buildup in containers. Keep liquid away from very intense heat sources to eliminate decomposition into toxic products. Avoid inhalation of vapors and excessive or repeated skin contact.

SECTION VIII – CONTROL MEASURES

VENTILATION REQUIREMENT: Local or mechanical explosion-proof.
RESPIRATORY PROTECTION: NIOSH approved respirator at or above applicable exposure limit.
PROTECTIVE GLOVES: Chemically impervious.
EYE PROTECTION: Goggles.
OTHER PROTECTIVE EQUIPMENT: Chemical impervious clothing to prevent skin contact.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not handle or store near heat, sparks, flame or strong oxidizers. Adequate ventilation required. Avoid breathing vapors; avoid prolonged or repeated skin contact.

NOTE: FLAMMABLE LIQUID LABEL REQUIRED!

SECTION X – REGULATORY INFORMATION

SARA (313) Chemicals:

This product contains toxic chemicals listed below which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Toluene (108-88-3)

Methanol (67-56-1)

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Any use of this product must be determined by the user to be in accordance with the applicable federal, state and local laws and regulations.

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