



Material Safety Data Sheet

SECTION I - IDENTIFICATION

PRODUCT NAME: POLYKEN® 1039 LIQUID ADHESIVE
CHEMICAL FAMILY: Petroleum hydrocarbon
DOT ID NO.: UN2234 (Coating Solution)
HAZARD CLASS: Flammable Liquid (IMO Class 3.0;
WHMIS Class B, Division 2, Subdivision B)

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 EXPOSURE LIMITS*
Oxsol-100**	98-56-6	100% Not Determined

* OSHA 29 CFR 1910.1000, 8-hour Time Weighted Average and Short Term Exposure Limits.

** For additional information on Oxsol-100, refer to MSDS #M29358 from Oxy Chem,
Telephone: (716) 278-7021

SECTION III - PHYSICAL/CHEMICAL INFORMATION

BOILING POINT: 139°C (282 F)	VAPOR DENSITY (Air=1): 3.5
pH: Not Applicable	VAPOR PRESSURE: 5.3 mm Hg (75°F)
SPECIFIC GRAVITY: 1.34	WATER SOLUBILITY: Negligible
FREEZING POINT: less than -50°F	EVAPORATION RATE (BuAc=1): ND
VISCOSITY: 40-80 CPS	VOC: Zero lbs/gal
APPEARANCE AND ODOR: Black, viscous liquid with odor of hydrocarbon solvents.	

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: (TAGCC) 42.8° C (109 F)

AUTOIGNITION TEMPERATURE: > 500° C

LEL: 0.9 % **UEL:** 10.5 % @ 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 fumes

or vapors. Wear full protective clothing, including NIOSH approved self contained breathing apparatus. Cool surrounding areas and exposed containers with water.

UNUSUAL FIRE & EXPLOSION HAZARDS: Material is an explosion hazard and 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, or open flame.

INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents such as liquid chlorine, pure oxygen, sodium hypochlorite, and calcium hypochlorite; reactive metals such as sodium, potassium, aluminum powder, zinc powder, and magnesium, strong caustics such as caustic soda, potash or amines.

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

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not determined for mixture: Corporate Exposure Limit established for parachlorobenzotrifluoride = 20 ppm, 8 hr. TWA.

COMPONENTS LISTED AS KNOWN OR POTENTIAL CARCINOGENS: None

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: Not Known

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: Not Determined

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 NIOSH-approved protective clothing and self-contained breathing apparatus. Ventilate area. Confine free liquid by diking and remove liquid with 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 RCRA regulations. D001 designates ignitable mixtures not specifically covered by another RCRA Number.

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

SECTION VI - HEALTH HAZARD DATA

VENTILATION: Local or mechanical explosion-proof.

RESPIRATORY PROTECTION: If exposure exceeds, or there is a possibility that it may exceed OSHA exposure limits use NIOSH-approved respirators. At extreme exposure levels, use positive-pressure self-contained breathing apparatus.

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 does not contain toxic chemicals 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.

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The information presented herein was prepared at COVALENCE ADHESIVES (R&D Laboratory, 17 Hartwell Avenue, Lexington, MA 02173, 781 861-3200) by qualified technical personnel, and to our knowledge it is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for his purposes. The data do not constitute a warranty, expressed or implied, statutory or otherwise, nor are they a representation for which COVALENCE ADHESIVES assumes legal responsibility. The data are submitted for the user's information and consideration only.

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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