

MATERIAL SAFETY DATA SHEET

Perma Lok®

SECTION I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Distributed By: Allied Rubber & Gasket Company ARGCO
2610 Commerce Way
Vista, CA 92081
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Product Number: 82-9832 **Product Name:** PERMA-LOK® LK 150
CAS Number of Product: Unassigned **Synonyms:** NONE
In case of emergency call: 908-685-5000 **Date Prepared:** 1/23/2007

SECTION II – COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Family – Anaerobic Adhesive / Sealant

<u>Component</u>	<u>CAS Number</u>	<u>Concentration Ranges (%)</u>
Tetraethylene Glycol	109-17-1	>1
Dimethacrylate		

SECTION III – HAZARDS IDENTIFICATION

Eye Irritant, Harmful if swallowed.

Eye: Irritating, may injure eye tissue if not removed promptly.

Skin contact: Frequent or prolonged contact may irritate and cause dermatitis. May cause skin sensitization, a partial or whole body dermatitic rash experienced after exposure, however minimal.

Inhalation: Based on its low volatility, product is not considered to be a respiratory hazard under normal conditions of use. Irritating and/or toxic vapors may be released at elevated temperatures.

Ingestion: Ingestion effects have not been caused but are assumed to cause nausea and vomiting.

SECTION IV – FIRST AID MEASURES

Eye: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

Skin Contact: Flush exposed areas thoroughly with soap and water until all chemical is removed. Remove contaminated clothing and launder before reuse.

Inhalation: First aid is not normally required. Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.

Ingestion: DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

SECTION V – FIRE FIGHTING MEASURES

AutoIgnition: Not determined

Flash Point: 230 F (Setaflash Closed Tester)

Extinguishing Media: CO2, Dry Chemical, Foam, Water fog.

Special Firefighting: Fire fighters should be equipped with self-contained breathing apparatus.

Procedures: To protect against potentially toxic and irritating fumes, cool exposed equipment with water spray.

Fire & Explosion Hazards: Polymerization may take place at elevated temperatures.

Upper Explosion Limit (%): Not Applicable

Lower Explosion Limit (%): Not Applicable

NFPA Flammability Hazard: 1=Slight

Class

SECTION VI – ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures:

Wear protective clothing. Stop leak if you can do it without risk. For small spills take up with sand or other inert absorbent material and place in a container for later disposal. **Note:** In bulk quantities, product absorbed on inert material may polymerize generating significant heat and pressure. Vent disposal container to prevent build-up of pressure. Can carefully solidify with anaerobic surface conditioner and dispose of as solid waste.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

SECTION VII – HANDLING AND STORAGE

Storage Temperature: Room temperature

Special Sensitivity: Avoid excessive heat.

Handling and Storage: Store out of direct sunlight in a dry area. Maximum storage temperature is 100°F.

Ventilation Requirements: General

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation Requirements: General

Eye Protection Requirements: Safety glasses, goggles or face shield to protect against splashing.

Glove Requirements:	Employee must wear appropriate protective gloves to prevent contact with this substance.
Clothing Requirements:	No special clothing required for low volume activity.
Change/Removal of Clothing:	Remove clothing and launder before reuse if contaminated with product.
Wash Requirements:	Wash hands with soap and water if contact with product occurs or before eating, drinking, smoking, or using toilet facilities.
Respirator Requirements:	None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Pure Substance or Mixture:	Mixture	Specific Gravity (Water =1):	1.070
Physical Form:	Liquid	Bulk Density:	8.91 lbs/gal
Appearance/Odor:	White Paste; mild, pleasant odor	Evaporation Rate:	N/A
Odor Threshold:	Not available	Vapor Pressure (mm HG):	0.01 (77F)
pH as IS:	N/A	Vapor Density (air=1)	1.01
pH in (1% solution):	N/A	Viscosity:	200,000 cps
Boiling Point:	Polymerize before BP attained	Volatiles:	Less than 1%
Melting/Freezing Point:	N/A	Volatile Organic Compounds:	0.09 lbs/gal (10g/l)
Solubility in Water:	Insoluble	AutoIgnition:	Not determined
Partition Coefficient:	N/A	Flash Point:	230° F
(n=octanol/water)		Oxidizing Properties:	N/A

SECTION X– STABILITY AND REACTIVITY

Stability:	Stable
Material to Avoid:	Metals and their salts, PERMA-LOK® Anaerobic Surface Conditioners
NFPA Reactivity Hazard Class:	2= Moderate
Hazardous Decomposition Products:	
	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
Hazardous Polymerization Condition:	
	<i>Note:</i> PERMA-LOK® products are anaerobic and polymerize in the absence of air. Sunlight, excessive heat, and contamination by metals or anaerobic surface conditioner in large quantities, will also cause polymerization.

SECTION XI – TOXOLOGICAL INFORMATION

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

Routes of Entry:	Skin contact, eye contact, ingestion
Effects on Chronic Exposure:	In certain individuals, sensitization may occur causing dermatitis with even minimal contact.
Target Organs:	Skin, eyes
Special Health Effects:	None Known

TOXICOLOGY INFORMATION

Raw Material Name: Tetraethylene Glycol Dimethacrylate.
Notes on Oral Toxicity: Low order of toxicity.
Notes on Dermal Toxicity: Irritating to the skin. Causes skin sensitization, a partial or whole-body dermatitic rash experienced after exposure, however minimal.
Notes on Inhalation: Irritating to eyes and respiratory tract. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
Notes on Eyes Irritation: Irritating, but does not injure eye tissue.
Other Notes on Toxicity: Sensitize

SECTION XII – ECOLOGICAL INFORMATION

Not Available

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

Empty Container Warnings: Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

SECTION XIV – TRANSPORTATION INFORMATION

DOT INFORMATION

DOT Shipping Name: None
DOT Hazard Class: Not Regulated
DOT Reportable Quantity: None

UNITED NATIONS INFORMATION

U.N. Number: N/A
U.N. Class: N/A

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of the manufacturer's knowledge. ARGCO doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

END OF MATERIAL SAFETY DATA SHEET