

**MATERIAL SAFETY DATA SHEET** Product Name: **PK-1Part "A"**

# Absolute Protective Coatings

## SECTION 1: IDENTIFICATION

MANUFACTURER: Absolute Protective Coatings  
ADDRESS: 1265 N Hendrickson Dr Kalama WA 98625  
PHONE: 1 (360) 673-6404

CHEMICAL NAME: Epoxy Resin  
COMMON NAME: **PK-1, Part A**  
CHEMICAL FAMILY: Modified Liquid Epoxy Resin

H.M.I.S. RATING	
Health	2
Flammability	1
Reactivity	0

## SECTION 2: HAZARDOUS CHEMICALS

CHEMICAL NAME/CAS #	%	APPLICABLE EXPOSURE LIMITS		
		PEL-WISHA/OSHA	TLV-ACGIH	OTHER
Reaction product of epichlorohydrin and bisphenol A / 30583-72-3	>75	none established	none established	none established
Trade Secrete	<25	none established	none established	none established

SEE SECTION #3

## SECTION 3: HEALTH HAZARDS

EYES: May cause eye irritation.

SKIN: Prolonged or repeated exposure may cause skin irritation. May cause skin sensitization.

SKIN ABSORPTION: A single prolonged skin exposure is not likely to result in absorption of harmful amount. The dermal LD50 is >2000 mg/Kg for rabbits.

INGESTION: Single dose oral LD50 is 5300 mg/Kg. Single dose toxicity is expected to be low.

INHALATION: No guide for control established. Single dose exposure to vapors is not likely to be hazardous.

ROUTES OF ENTRY: N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/A

## SECTION 4: FIRST AID

EYES: Irrigate immediately with water for at least 5 minutes.

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SKIN: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. Use extra care with shoes.

INGESTION: Induce vomiting if large amounts are ingested.

INHALATION: Remove to fresh air if effects occur. Consult medical.

SYSTEMIC AND OTHER EFFECTS: This product contains trace (<10 ppm) amounts of epichlorohydrin, CAS #106-89-8. It is very unlikely that normal work practices with this product could result in measurable epichlorohydrin concentrations in the workplace atmosphere. Nevertheless, you should be aware that epichlorohydrin has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells. It has been classified by the IARC as a probable human carcinogen (IARC Group 2A) based on the following conclusions: Human evidence- Inadequate; Animal Evidence- Sufficient. It has been classified as an anticipated human carcinogen by the National Toxicology Program.

NOTE TO PHYSICIANS: No specific antidotes. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

## SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT (method used)	FLAMMABILITY LIMITS	LEL	UEL
216° C (240° F) ASTM D93-85, PMCC	None	N/A	NA/

EXTINGUISHING METHOD: Foam, CO2, dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTING EQUIPMENT: Wear positive pressure self-contained breathing apparatus during fire fighting.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, carbon monoxide, and water.

HAZARDOUS POLYMERIZATION: Will not occur by itself but masses more than one pound of product plus aliphatic amine will cause irreversible polymerization with considerable heat buildup.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Soak up in non-reactive absorbent material or scrape up. The residue can be removed with hot soapy water. Use of methylene chloride, acetone, or aromatic solvents in clean up poses a distinct hazard and therefore should be avoided

## SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from oxidizers, heat, and flames. Keep in cool, dry, ventilated storage and in closed containers preferably located outdoors, above ground, and surrounded by dikes to contain spills or leaks. Keep container closed. Avoid breathing of vapors. Handle in well-ventilated work space.

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## SECTION 8: PERSONAL PROTECTION AND EXPOSURE CONTROLS

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RESPIRATORY PROTECTION: N/A

VENTILATION: LOCAL EXHAUST: Good room ventilation usually adequate for most operations.

PROTECTIVE GLOVES: SEE BELOW

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE EQUIPMENT: Clean, body covering clothing. In addition, rubber gloves, boots, aprons, gauntlets, and full face shield depending upon extent and severity of exposure likely.

OTHER ENGINEERING CONTROLS: N/A

WORK PRACTICES: Practice cautions and good personal cleanliness to avoid eye and skin contact. Avoid breathing vapors of heated material.

HYGIENIC PRACTICES: N/A

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## SECTION 9: TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: >1

SOLUBILITY IN WATER: negligible

SPECIFIC GRAVITY: 1.14

APPEARANCE AND ODOR: Clear, light yellow, or pigmented. Faint epoxy odor.

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## SECTION 10: STABILITY AND REACTIVITY

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INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents and nitrates.

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## SECTION 11: TOXICOLOGICAL PROPERTIES

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N/A

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## SECTION 12: ECOLOGICAL INFORMATION

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N/A

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## SECTION 13: DISPOSAL INFORMATION

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WASTE DISPOSAL METHOD: Burn in adequate incinerator or bury in approved landfill.

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**SECTION 14: TRANSPORT INFORMATION**

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N/A

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**SECTION 15: REGULATORY INFORMATION**

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N/A

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**SECTION 16: OTHER INFORMATION**

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