

**SAFETY DATA SHEET**

Date Revised: 10/23/18

Date Printed: 11/14/23

===== **SECTION 1 - IDENTIFICATION** =====

PRODUCT NAME: EPOXY OVERLAY, PARTS A & B  
PRODUCT CODE: TK-2109  
RECOMMENDED USE: PAINT OR PAINT RELATED MATERIAL

MANUFACTURER: TK PRODUCTS  
ADDRESS : 11400 WEST 47TH STREET  
MINNETONKA, MN 55343 USA  
TELEPHONE: 952-938-7223 E-mail: safety@fenixspc.com  
24 HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

===== **SECTION 2 - HAZARDS IDENTIFICATION** =====

**HAZARD RISK CLASSIFICATION**

**SIGNAL WORD: DANGER**

**PICTOGRAM:**

**GHS02 - FLAME GHS05 - CORROSION GHS07 - EXCLAMATION MARK GHS08 - HEALTH  
HAZARD GHS09 - ENVIRONMENT**

**HAZARD CLASS**

**HAZARD CATEGORY**

FLAMMABLE LIQUIDS	CATEGORY 3
ACUTE TOXICITY	CATEGORY 3 ORAL
ACUTE TOXICITY	CATEGORY 3 INHALATION
ACUTE TOXICITY	CATEGORY 4 DERMAL
SKIN CORROSION / IRRITATION	CATEGORY 1
SERIOUS EYE DAMAGE / EYE IRRITATION	CATEGORY 1
RESPIRATORY SENSITIZER	CATEGORY 1
SKIN SENSITIZER	CATEGORY 1
TOXIC TO SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	CATEGORY 3
ASPIRATION HAZARD	CATEGORY 1
HAZARDOUS TO THE AQUATIC ENVIRONMENT LONG-TERM (CHRONIC)	CHRONIC 2

**HAZARD STATEMENTS:**

H227	Combustible liquid
H304	May be fatal if swallowed or enters airways
H314	Causes severe skin burns and eye damage
H317	May cause allergic skin reaction
H319	Causes serious eye irritation.
H335	May cause respiratory irritation
H340	May cause genetic defects
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:**

P210 Keep away from heat/hot surfaces/sparks/open flames and other sources of ignition. No smoking.

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- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical / ventilation/lighting/handling equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapor/ spray.
- P264 Wash hands and any exposed area thoroughly after handling.
- P270 Do not eat, drink or smoke while using this product.
- P271 Use only outdoors or in well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective impervious gloves/ OSHA approved eye protection/face protection.

**RESPONSE:**

- P301+P310 If swallowed: Immediately call a Poison Center / doctor.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
- P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P321 Specific treatment (see on this label)
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam to extinguish.

**STORAGE:**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

**DISPOSAL:**

- P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

**OTHER HAZARDS: NONE KNOWN**

**HMIS RATING:**    H     F     R     PPE  
                  3\*    1     0     B

===== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS =====

COMPONENT	CAS NUMBER	WEIGHT		EXPOSURE LIMITS		
		PERCENT	OSHA PEL	ACGIH TLV	OTHER	
Epichlorohydrin Copolymer	25068-38-6	40-50				NOT ESTABLISHED
* AMIDO AMINE		40-50				
Cumene	98-82-8			50 PPM		50 PPM

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- \* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.
- + Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
- ^ Hazardous Air Pollutant established by the EPA as directed by the Clean Air Act of 1990.

=====**SECTION 4 - FIRST AID MEASURES**=====

**PRIMARY ROUTES OF EXPOSURE:**

Skin contact.

**DESCRIPTION OF FIRST AID MEASURES:**

**EYES:** Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

**SKIN CONTACT:** Wash contaminated area with soap and water. Remove and launder contaminated clothing.

**INGESTION:** If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

**INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:**

**EYES:** Corrosive to eyes. Contact with eyes may cause severe irritation and burns.

**SKIN:** Corrosive to skin and mucous membranes. Contact with skin may cause severe irritation and burns. May be absorbed through skin in toxic amounts.

**INHALATION:** Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

**INGESTION:** Not an anticipated route of exposure. Small amounts are not expected to be harmful. Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

**CHRONIC HEALTH EFFECTS:**

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

No known effects on other illnesses.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Treat symptomatically.

=====**SECTION 5 - FIRE AND EXPLOSION HAZARD DATA**=====

**SUITABLE EXTINGUISHING MEDIA:**

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

**SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

In the event of fire, harmful vapors including carbone monoxide, carbond dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:**

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

=====**SECTION 6 - ACCIDENTAL RELEASE MEASURES**=====

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Evacuate area and keep unnecessary and unprotected personnell from entering the spill area. Use proper personal protective equipment listed in section 8.

**ENVIRONMENTAL PRECAUTIONS:** Keep runoff from storm sewars, ditches, streams, lakes and other ground waters and waterways.

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**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:**

Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable containers and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:**

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

**PRECAUTIONS FOR SAFE STORAGE:**

Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

**OTHER PRECAUTIONS:**

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS: General room ventilation is adequate.

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:**

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

**PROTECTIVE GLOVES:**

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

**EYE PROTECTION:**

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

**WORK/HYGIENIC PRACTICES:**

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE/PHYSICAL STATE: Liquid

COLOR: Various colors

ODOR: Odorless.

pH: Not Determined

ODOR THRESHOLD: Not measured

SOLUBILITY IN WATER: Insoluble/Negligible

MELTING/FREEZING POINT: Not Determined

BOILING POINT/RANGE:

SPECIFIC GRAVITY (H2O=1): 1.06

VAPOR DENSITY: Greater Than Air

EVAPORATION RATE: Not Determined

FLAMMABILITY: Not determined

FLASH POINT: Greater than 200 F 480 FPMCC

VAPOR PRESSURE: Not Determined

UPPER EXPLOSION LIMIT: 6.6

AUTO-IGNITION TEMPERATURE: Not Determined

LOWER EXPLOSION LIMIT: 1

PARTITION COEFFICIENT: Not Available

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Determined

COATING V.O.C.: 3 g/l (0.03 lb/gl )

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## SECTION 10 - STABILITY AND REACTIVITY DATA

**REACTIVITY:** Will not occur.

**CHEMICAL STABILITY:**

Stable under normal conditions and handling.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

No hazardous reactions if stored and handled as prescribed/indicated.

**CONDITIONS TO AVOID:**

None known

**INCOMPATIBLE MATERIALS:**

Avoid exposure to strong oxidizing agents and reducing agents.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**SENSITIZATION:**

Product is a skin sensitizer; sensitization can be severe in susceptible individuals.

**CARCINOGENICITY:**

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

**REPRODUCTIVE TOXICITY:**

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

**TERATOGENICITY (BIRTH DEFECTS):**

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

**MUTAGENICITY:**

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

## SECTION 12 - ECOLOGICAL INFORMATION

**ECOTOXICITY:**

No data available.

**PERSISTENCE AND DEGRADABILITY:**

Not readily degradable.

**BIOACCUMULATIVE POTENTIAL:**

No data available.

**MOBILITY IN SOIL:**

No data available.

**OTHER ADVERSE EFFECTS:** Although no information is available for this specific product mixture, individual components may by themselves may have ecological affects.

## SECTION 13 - DISPOSAL CONSIDERATIONS

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol), 9, PG III, MARINE POLLUTANT

## SECTION 15 - REGULATORY INFORMATION

**US TOXIC SUBSTANCE CONTROL ACT (TSCA):**

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:** None

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SARA 311/312 HAZARDOUS CHEMICAL: See Section 3

**SARA 313 (TRI REPORTING):**

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 3.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
Phenylglycidyl Ether	122-60-1	CA
Bisphenol A	80-05-7	CA, MA, NJ, PA
Cumene	98-82-8	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI

**CALIFORNIA PROPOSITION 65**

This product contains a chemical(s) known to the state of California to cause cancer, birth defects or reproductive harm, which are subject to the requirements of California Proposition 65.

Phenyl glycidyl ether	CAS #122-60-1	Cancer
Cumene	98-82-8	Cancer
Bisphenol A (BPA)	CAS #80-05-7	Developmental female

=====**SECTION 16 - OTHER INFORMATION**=====

**REVISION DATE: 10/23/18**

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