

Safety Data Sheet

PRK-99, Part A

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

Preparation: July 27, 2009
Review / Revision: May 2014

1. IDENTIFICATION

Part No. and Description: PRK-99, Part A, Port Reshaping Kit

Product Name: Splash Zone A-788, Part A

Identification Number: PLSDS 0969A5NL

Product Use/Class: Epoxy Polyamide - FOR INDUSTRIAL USE ONLY

Manufacturer: Carboline Company
2150 Schuetz Road
St Louis, MO 63146
800-848-4645

Distributor: Goodson Tools & Supplies
156 Galewski Drive
Winona, MN 55987
507-452-1830 or 800-533-8010

Emergency Phone: 800-924-6804 (24 hours)

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>< Wt. %</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA-CEIL</u>
TALC	14807-96-6	35.0	N/E	N/E	N/E	N/E
MICROCRYSTALLINE SILICA	14808-60-7	25.0	0.025 MG/M3 (respirable)	N/E	0.1 MG/M3 (respirable)	N/E

3. HAZARDS IDENTIFICATION

Emergency Overview: Contains SILICA which can cause cancer. Risk of Cancer depends on duration and level of exposure.

Effects of Overexposure - Eye Contact: May cause eye irritation.

Effects of Overexposure - Skin Contact: May cause skin irritation.

Effects of Overexposure - Inhalation: Harmful if inhaled, may affect the brain or nervous system, causing dizziness, headache, or nausea. May cause nose and throat irritation.

Effects of Overexposure - Ingestion: May be harmful if swallowed.

Effects of Overexposure - Chronic Hazards: Crystalline silica is known to cause silicosis. Crystalline silica (Quartz) is classified as a known human carcinogen (Group 1) by IARC. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. However, when sanding or grinding the finished product, there may be potential for crystalline silica to become airborne. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Primary Route(s) of Entry: Skin contact, Inhalation, Ingestion, Eye contact.

Medical conditions prone to aggravation by exposure: No information.

4. FIRST AID MEASURES

Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

Skin Contact: In case of contact, wash skin immediately with soap and water.

Inhalation: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

Ingestion: If swallowed, do not induce vomiting! Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point, F: 201°F (93°C)
(Setaflash)

Lower Explosive Limit, %: N/A
Upper Explosive Limit, %: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog.

Unusual Fire and Explosion Hazards: This product contains less than 1% volatile components. The amount of vapors that could accumulate are minimal. However, vapors are heavier than air and could travel long distances, ignite, and flashback. Eliminate all ignition sources. Keep away from sparks, open flames, and heat sources. All electrical equipment and installations should be made and grounded in accordance with the National Electrical Code. In areas where explosion hazards exist, workers should be required to use nonferrous tools and to wear conductive and non-sparking shoes.

Special Firefighting Procedures: Evacuate hazard area of unprotected personnel. Use a NIOSH approved self-contained breathing unit and complete body protection. Cool surrounding containers with water in case of fire exposure.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if Material is Released or Spilled: Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Evacuate the area of unprotected personnel. Wear appropriate personal protection clothing and equipment. Follow exposure controls/personal protection guidelines in Section 8. Contain and soak up residual with an absorbent (clay and sand). Take up absorbent material and seal tightly for proper disposal. Dispose of in accordance with local, state and federal regulations. Refer to Section 15 for SARA Title III and CERCLA information.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapors or spray mist. Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. If pouring or transferring materials, ground all containers and tools. Do not weld, heat, cut or drill on full or empty containers. Use only in accordance with Goodson Tools & Supplies application instructions, container label and Product Data Sheet.

Storage: Keep away from heat, sparks, open flames and oxidizing agents. Keep containers closed. Store in a cool, dry place with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use explosion-proof ventilation when required to keep below health exposure guidelines and Lower Explosion Limit (LEL).

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use. For silica containing coatings in a liquid state, and/or if no exposure limits are established in Section 2 above, supplied air respirators are generally not required.

Skin Protection: Recommend impervious gloves & clothing to avoid skin contact. If material penetrates to skin, change gloves & clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other Protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and allow hazardous materials to pass through. Check shoes carefully after soaking before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range: N/A - N/A

Odor: Epoxy

Appearance: Viscous Yellowish Liquid

Solubility in H₂O: N/D

Freeze Point: N/D

Vapor Pressure: N/D

Physical State: Liquid

Vapor Density: Heavier than Air

Odor Threshold: N/D

Evaporation Rate: Slower Than Ether

Specific Gravity: 1.78

PH: N/D

(See section 16 for abbreviation legend)

10. STABILITY AND REACTIVITY

Conditions to Avoid: Heat, sparks and open flames.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, nitrogen oxides, and unidentified organic compounds.

Consider all smoke and fumes from burning material as very hazardous. Welding, cutting or abrasive grinding can create smoke and fumes. Do not breathe any fumes or smoke from these operations.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

Product LD50: N/D

Product LC50: N/D

<u>Chemical Name</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
TALC	14807-96-6	Not Available	Not Available
MICROCRYSTALLINE SILICA	14808-60-7	Not Available	Not Available

12. ECOLOGICAL INFORMATION

Ecological Information: No data.

13. DISPOSAL INFORMATION

Disposal Information: Dispose of in accordance with State, Local, and Federal Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Not Regulated

Packing Group: N/A

DOT Technical Name: N/A

Hazard Subclass: N/A

DOT Hazard Class: None

Resp. Guide Page: N/A

DOT UN/NA Number: N/A

Additional Notes: None

15. REGULATORY INFORMATION

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Section 313 Substances exist in this product.

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

No TSCA 12(B) Substances exist in this product.

U.S. STATE REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
EPOXY RESIN	25085-99-8
YELLOW IRON OXIDE	51274-00-1
CHLORITE	71949-90-1

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
EPOXY RESIN	25085-99-8
YELLOW IRON OXIDE	51274-00-1

CALIFORNIA PROPOSITION 65

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS Number</u>
MICROCRYSTALLINE SILICA	14808-60-7

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

No California Proposition 65 Reproductive toxins exist.

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2A D2B

16. OTHER INFORMATION

HMIS Ratings

Health: 2 Flammability: 1 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 0

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damage incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Safety Data Sheet

PRK-99, Part B

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

Preparation: July 27, 2009
Review / Revision: May 2014

1. IDENTIFICATION

Part No. and Description: PRK-99, Part B, Port Reshaping Kit

Product Name: Splash Zone A-788, Part B

Identification Number: PLSDS 0969B5NL

Product Use/Class: Epoxy Polyamide - FOR INDUSTRIAL USE ONLY

Manufacturer: Carboline Company
2150 Schuetz Road
St Louis, MO 63146
800-848-4645

Distributor: Goodson Tools & Supplies
156 Galewski Drive
Winona, MN 55987
507-452-1830 or 800-533-8010

Emergency Phone: 800-924-6804 (24 hours)

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>< Wt. %</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA-CEIL</u>
TALC	14807-96-6	35.0	N/E	N/E	N/E	N/E
MICROCRYSTALLINE SILICA	14808-60-7	30.0	0.025 MG/M3 (respirable)	N/E	0.1 MG/M3 (respirable)	N/E
TRIS-2,4,6-(DIMETHYLAMINOMETHYL) PHENOL	90-72-2	5.0	N/E	N/E	N/E	N/E
CARBON BLACK	1333-86-4	0.2	3.5 MG/M3	N/E	3.5 MG/M3	N/E

3. HAZARDS IDENTIFICATION

Emergency Overview: Contains SILICA which can cause cancer. Risk of Cancer depends on duration and level of exposure.

Effects of Overexposure - Eye Contact: Can cause eye burns.

Effects of Overexposure - Skin Contact: May be harmful if absorbed through the skin. Can cause skin burns.

Effects of Overexposure - Inhalation: May cause nose and throat irritation. May cause lung irritation. May cause allergic respiratory reaction, effects may be permanent.

Effects of Overexposure - Ingestion: May be harmful if swallowed.

Effects of Overexposure - Chronic Hazards: Crystalline silica is known to cause silicosis. Crystalline silica (Quartz) is classified as a known human carcinogen (Group 1) by IARC. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. However, when sanding or grinding the finished product, there may be potential for crystalline silica to become airborne.

Primary Route(s) of Entry: Skin contact, Skin Absorption, Inhalation, Ingestion, Eye contact.

Medical conditions prone to aggravation by exposure: If sensitized to amines, epoxies, or other chemicals, do not use. See a physician if a medical condition exists.

4. FIRST AID MEASURES

Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

Skin Contact: In case of contact, wash skin immediately with soap and water.

Inhalation: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

Ingestion: If swallowed, do not induce vomiting! Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point, F: 201°F (93°C)
(Setaflash)

Lower Explosive Limit, %: N/A
Upper Explosive Limit, %: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog.

Unusual Fire and Explosion Hazards: This product contains less than 1% volatile components. The amount of vapors that could accumulate are minimal. However, vapors are heavier than air and could travel long distances, ignite, and flashback. Eliminate all ignition sources. Keep away from sparks, open flames, and heat sources. All electrical equipment and installations should be made and grounded in accordance with the National Electrical Code. In areas where explosion hazards exist, workers should be required to use nonferrous tools and to wear conductive and non-sparking shoes.

Special Firefighting Procedures: Evacuate hazard area of unprotected personnel. Use a NIOSH approved self-contained breathing unit and complete body protection. Cool surrounding containers with water in case of fire exposure.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if Material is Released or Spilled: Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Evacuate the area of unprotected personnel. Wear appropriate personal protection clothing and equipment. Follow exposure controls/personal protection guidelines in Section 8. Contain and soak up residual with an absorbent (clay and sand). Take up absorbent material and seal tightly for proper disposal. Dispose of in accordance with local, state and federal regulations. Refer to Section 15 for SARA Title III and CERCLA information.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapors or spray mist. Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. If pouring or transferring materials, ground all containers and tools. Do not weld, heat, cut or drill on full or empty containers. Use only in accordance with Goodson Tools & Supplies application instructions, container label and Product Data Sheet.

Storage: Keep away from heat, sparks, open flames and oxidizing agents. Keep containers closed. Store in a cool, dry place with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use explosion-proof ventilation when required to keep below health exposure guidelines and Lower Explosion Limit (LEL).

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use. For silica containing coatings in a liquid state, and/or if no exposure limits are established in Section 2 above, supplied air respirators are generally not required.

Skin Protection: Recommend impervious gloves & clothing to avoid skin contact. If material penetrates to skin, change gloves & clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other Protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and allow hazardous materials to pass through. Check shoes carefully after soaking before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range: N/A - N/A

Odor: Slight Amine

Appearance: Viscous Liquid

Vapor Density: Heavier than Air

Odor Threshold: N/D

Evaporation Rate: Slower Than Ether

Solubility in H2O: N/D

Freeze Point: N/D

Vapor Pressure: N/D

Physical State: Liquid

(See section 16 for abbreviation legend)

Specific Gravity: 1.68

PH: N/D

10. STABILITY AND REACTIVITY

Conditions to Avoid: Heat, sparks and open flames.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, nitrogen oxides, and unidentified organic compounds.

Consider all smoke and fumes from burning material as very hazardous. Welding, cutting or abrasive grinding can create smoke and fumes. Do not breathe any fumes or smoke from these operations.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

Product LD50: N/D

Product LC50: N/D

<u>Chemical Name</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
TALC	14807-96-6	Not Available	Not Available
MICROCRYSTALLINE SILICA	14808-60-7	Not Available	Not Available
TRIS-2,4,6-(DIMETHYLAMINOMETHYL) PHENOL	90-72-2	2169 MG/KG ORAL	Not Available
CARBON BLACK	1333-86-4	Not Available	>8000 MG/KG, ORAL, RAT

12. ECOLOGICAL INFORMATION

Ecological Information: No data.

13. DISPOSAL INFORMATION

Disposal Information: Dispose of in accordance with State, Local, and Federal Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Not Regulated

DOT Technical Name: N/A

DOT Hazard Class: None

DOT UN/NA Number: N/A

Packing Group: N/A

Hazard Subclass: N/A

Resp. Guide Page: N/A

Additional Notes: None

15. REGULATORY INFORMATION

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Section 313 Substances exist in this product.

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

No TSCA 12(B) Substances exist in this product.

U.S. STATE REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
POLYAMIDE	68410-23-1
CHLORITE	71949-90-1

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
POLYAMIDE	68410-23-1

CALIFORNIA PROPOSITION 65

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS Number</u>
MICROCRYSTALLINE SILICA	14808-60-7
CARBON BLACK	1333-86-4

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

No California Proposition 65 Reproductive toxins exist.

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2A D2B

16. OTHER INFORMATION

HMIS Ratings

Health: 3 Flammability: 1 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 0

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.