

Material Safety Data Sheet

Material Name: Pond Shield Epoxy Part A

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Pond Armor. Phone: 805-922-1300
PO Box 6558
Santa Maria, CA 93456

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye, skin and respiratory tract irritation. Harmful if swallowed.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

May cause skin irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May be harmful if swallowed.

Potential Health Effects: Inhalation

May cause respiratory irritation.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
Trade Secret	Proprietary Component A
Trade Secret	Proprietary Component B
Trade Secret	Proprietary Component C
7732-18-5	Water

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None anticipated.

Hazardous Combustion Products

Oxides of carbon and nitrogen.

Extinguishing Media

Use water, dry extinguishing media, foam, carbon dioxide.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Material Safety Data Sheet

Material Name: Pond Shield Epoxy Part A

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Spills should be contained, solidified and placed in suitable containers for disposal.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None necessary.

*** Section 7 - Handling and Storage ***

Handling Procedures

Wash thoroughly after handling this product. Always wash before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid ingestion.

Storage Procedures

Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. Do not allow product to freeze.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Clear viscous

Physical State: Liquid

Vapor Pressure: ND

Boiling Point: 401°F

Solubility (H2O): 40 g/l @ 20°C

Evaporation Rate: ND

Octanol/H2O Coeff.: ND

Flash Point Method: TCC

Lower Flammability Limit (LFL): 1.3

Auto Ignition: ND

Odor: None

pH: ND

Vapor Density: ND

Melting Point: NA

Specific Gravity: 1.045 @ 25°C

VOC: 0g/l

Flash Point: 98.9°C

Upper Flammability Limit (UFL): 13

Burning Rate: ND

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid exposure to air, moisture, ignition sources and elevated temperatures. Do not freeze.

Incompatibility

Avoid contact with oxidizing agents.

Material Safety Data Sheet

Material Name: Pond Shield Epoxy Part A

Hazardous Decomposition

Oxides of carbon and nitrogen.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Proprietary Component A (Trade Secret)

Oral LD50 Rat 1030 mg/kg

Proprietary Component B (Trade Secret)

Inhalation LC50 Rat 8.8 mg/L 4 h; Oral LD50 Rat 1230 mg/kg; Dermal LD50 Rabbit 2000 mg/kg

Proprietary Component C (Trade Secret)

Oral LD50 Rat 11300 µL/kg; Dermal LD50 Rabbit 20 g/kg

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Proprietary Component C (Trade Secret)

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Proprietary Component A (Trade Secret)

Test & Species

96 Hr LC50 Leuciscus idus

72 Hr EC50 Desmodesmus

subspicatus

24 Hr EC50 Daphnia magna

48 Hr EC50 Daphnia magna

Conditions

110 mg/L [semistatic]

37 mg/L

42 mg/L

14.6 - 21.5 mg/L [semi-static]

Proprietary Component B (Trade Secret)

Test & Species

96 Hr LC50 Pimephales promelas

96 Hr LC50 Lepomis macrochirus

3 Hr EC50 Anabaena variabilis

48 Hr EC50 water flea

Conditions

460 mg/L [static]

10 mg/L [static]

35 mg/L

23 mg/L

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Material Safety Data Sheet

Material Name: Pond Shield Epoxy Part A

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

None of these components appear on any state hazardous substances lists.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Proprietary Component A	Trade Secret	1 %
Proprietary Component C	Trade Secret	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Proprietary Component A	Trade Secret	Yes	DSL	EINECS
Proprietary Component B	Trade Secret	Yes	DSL	EINECS
Proprietary Component C	Trade Secret	Yes	DSL	EINECS
Water	7732-18-5	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NJTSR = New Jersey Trade Secret Registry.

Material Safety Data Sheet

Material Name: Pond Shield Epoxy Part B

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Pond Armor. Phone: 805-922-1300
PO Box 6558
Santa Maria, CA 93456

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye, skin and respiratory tract irritation. Harmful if swallowed.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

May cause skin irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May be harmful if swallowed.

Potential Health Effects: Inhalation

May cause respiratory irritation.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
Trade Secret	Proprietary Component A
Trade Secret	Proprietary Component B
Trade Secret	Proprietary Component C
Trade Secret	Proprietary Component D
7732-18-5	Water

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

None anticipated.

Hazardous Combustion Products

Oxides of carbon and nitrogen.

Extinguishing Media

Use water, dry extinguishing media, foam, carbon dioxide.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Material Safety Data Sheet

Material Name: Pond Shield Epoxy Part B

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Spills should be contained, solidified and placed in suitable containers for disposal.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None necessary.

*** Section 7 - Handling and Storage ***

Handling Procedures

Wash thoroughly after handling this product. Always wash before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid ingestion.

Storage Procedures

Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. Do not allow product to freeze.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Clear viscous

Physical State: Liquid

Vapor Pressure: ND

Boiling Point: 401°F

Solubility (H₂O): 40 g/l @ 20°C

Evaporation Rate: ND

Octanol/H₂O Coeff.: ND

Flash Point Method: TCC

Lower Flammability Limit (LFL): 1.3

Auto Ignition: ND

Odor: None

pH: ND

Vapor Density: ND

Melting Point: NA

Specific Gravity: 1.045 @ 25°C

VOC: 0g/l

Flash Point: 98.9°C

Upper Flammability Limit (UFL): 13

Burning Rate: ND

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid exposure to air, moisture, ignition sources and elevated temperatures. Do not freeze.

Incompatibility

Avoid contact with oxidizing agents.

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Hazardous Decomposition

Oxides of carbon and nitrogen.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Proprietary Component A (Trade Secret)

Oral LD50 Rat 1030 mg/kg

Proprietary Component B (Trade Secret)

Inhalation LC50 Rat 8.8 mg/L 4 h; Oral LD50 Rat 1230 mg/kg; Dermal LD50 Rabbit 2000 mg/kg

Proprietary Component C (Trade Secret)

Oral LD50 Rat 11300 µL/kg; Dermal LD50 Rabbit 20 g/kg

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Proprietary Component C (Trade Secret)

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Proprietary Component A (Trade Secret)

Test & Species

96 Hr LC50 Leuciscus idus

72 Hr EC50 Desmodesmus

subspicatus

24 Hr EC50 Daphnia magna

48 Hr EC50 Daphnia magna

Conditions

110 mg/L [semistatic]

37 mg/L

42 mg/L

14.6 - 21.5 mg/L [semi-static]

Proprietary Component B (Trade Secret)

Test & Species

96 Hr LC50 Pimephales promelas

96 Hr LC50 Lepomis macrochirus

3 Hr EC50 Anabaena variabilis

48 Hr EC50 water flea

Conditions

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10 mg/L [static]

35 mg/L

23 mg/L

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US EPA Waste Number & Descriptions

Component Waste Numbers

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Disposal Instructions

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*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

None of these components appear on any state hazardous substances lists.

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Proprietary Component B	Trade Secret	1 %
Proprietary Component C	Trade Secret	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Proprietary Component A	Trade Secret	Yes	DSL	EINECS
Proprietary Component B	Trade Secret	Yes	DSL	EINECS
Proprietary Component C	Trade Secret	Yes	DSL	EINECS
Proprietary Component D	Trade Secret	Yes	DSL	EINECS
Water	7732-18-5	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

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