

# MATERIAL SAFETY DATA SHEET

AquaShed

FILE NO.:

DATE: 09/05/2024

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** AquaShed

**SYNONYMS:**

**PRODUCT CODES:**

**MANUFACTURER:** Absolute Concrete Products

**DIVISION:**

**ADDRESS:** 144 S. Main St. Union, OR 97883

**EMERGENCY PHONE:** 1-800-535-5053 (24 Hour)

**INFOTRAC PHONE:** +1-352-323-3500 or 1-800-535-5053

**OTHER CALLS:** (541) 562-2000

## SECTION 2: HAZARDS IDENTIFICATION

### PROLONGED/REPEATED EXPOSURE HEALTH EFFECTS

**SKIN:** Overexposure may injure internally if absorbed. Repeated or prolonged exposure may irritate seriously.

**INGESTION:** Overexposure by ingestion may injure the following organ(s): Nervous system. Brain. Thymus. Bladder. Spleen.

**INHALATION:** No known applicable information.

### ACUTE HEALTH HAZARDS:

**EYES:** Overexposure may injure internally if absorbed. Repeated or prolonged exposure may irritate seriously.

**SKIN:** May cause mild irritation

**INGESTION:** Log ingestion hazard in normal use.

**INHALATION:** Vapor and/or mist may irritate nose and throat

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known applicable information.

### SECTION 3 NOTES:

Signs and Symptoms of Overexposure - No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>INGREDIENT:</b>	<b>CAS NO.</b>	<b>% WT</b>	<b>Trade Secret</b>
Silicic acid, diethoxyoctylsilyl ester	216689-57-5	15-35	*
N-Octyltriethoxysilane	2943-75-1	10-30	*
Aminofunctional siloxane	688554-54-1	0-30	*

### SECTION 2 NOTES:

The above components are hazardous as defined in 29 CFR 1910.1200

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

### EYES:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 – 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

### SKIN:

As quickly as possible remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical.

Immediately flush with lukewarm gently flowing water for about 15 minutes.

Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Obtain medical attention.

# MATERIAL SAFETY DATA SHEET

AquaShed

FILE NO.:

DATE: 09/05/2024

## INGESTION:

If irritation or discomfort occur, obtain medical advice.

## INHALATION:

If symptoms are experienced remove source of contamination or move victim to fresh air. Obtain medical attention.

## NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Treat according to person's condition and specifics of exposure.

## SECTION 4 NOTES:

None Applicable

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## SECTION 5: FIRE-FIGHTING MEASURES

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### EXTINGUISHING MEDIA:

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

### SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

### SECTION 5 NOTES:

Flash Point:	> 212 degrees F / > 100 degrees C (Closed Cup)
Autoignition Temperature:	> 212 degrees F / > 100 degrees C
Flammability Limits in Air:	Not determined.
Unusual Fire Hazards:	None.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### ACCIDENTAL RELEASE MEASURES:

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8.

### CONTAINMENT:

For large spills, provide diking or other appropriate containment to keep material from spreading.

### CLEAN-UP:

Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents.

### SECONDARY HAZARDS:

Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

### SECTION 6 NOTES:

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements. See Section 8 for Personal Protective Equipment for Spills.

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## SECTION 7: HANDLING AND STORAGE

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### HANDLING AND STORAGE:

Use with adequate ventilation.  
Product evolves flammable ethyl alcohol on exposure to water or humid air.  
Provide ventilation during use to control ethanol within exposure guidelines or use respiratory protection.  
Avoid eye contact.  
Avoid skin contact.  
Avoid breathing vapor, mist, dust, or fumes.  
Keep container closed.  
Do not take internally.

### SECTION 7 NOTES:

Keep container closed and store away from water or moisture.

# MATERIAL SAFETY DATA SHEET

AquaShed

FILE NO.:

DATE: 09/05/2024

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Local Ventilation: Recommended.  
General Ventilation: Recommended.

### ROUTINE HANDLING RESPIRATORY PROTECTION:

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

### ROUTINE HANDLING EYE PROTECTION:

Use proper protection – safety glasses as a minimum

### ROUTINE HANDLING SKIN PROTECTION:

Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

### ROUTINE HANDLING OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

### SPILL RESPIRATORY PROTECTION:

Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

### SPILL EYE PROTECTION:

Use proper protection – safety glasses as a minimum

### SPILL SKIN PROTECTION:

Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

### EXPOSURE GUIDELINES:

Chemical Name	CAS Number	Exposure Limits
Silicic acid, diethoxyoctylsilyl trimethylsilyl ester	216689-57-5	Observe ethyl alcohol comments
N-Octyltriethoxysilane	2943-75-1	See ethyl alcohol comments.

### SECTION 8 NOTES:

Product evolves flammable ethyl alcohol on exposure to water or humid air. Provided ventilation during use to control ethanol within exposure guidelines or use respiratory protection.

Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally. Use reasonable care.

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Corning customer service group.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE:

White

### ODOR:

Some odor

### PHYSICAL STATE:

Liquid

pH AS SUPPLIED: No information available

pH (Other): No information available

# MATERIAL SAFETY DATA SHEET

AquaShed

FILE NO.:

DATE: 09/05/2024

## BOILING POINT:

F: 212

C: 100

## MELTING POINT:

F: No information available

C: No information available

## FREEZING POINT:

F: No information available

C: No information available

VAPOR PRESSURE (mmHg): Not determined  
@25C

## EVAPORATION RATE:

No information available

## BASIS (=1):

No information available

## SECTION 9 NOTES:

The above information is not intended for use in preparing product specifications.

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## SECTION 10: STABILITY AND REACTIVITY

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### STABILITY:

Stable

### CONDITIONS TO AVOID (STABILITY):

Stable

### INCOMPATIBILITY (MATERIAL TO AVOID):

Oxidizing materials can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

### HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides.

### HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur

### CONDITIONS TO AVOID:

None

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## SECTION 11: TOXICOLOGICAL INFORMATION

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Direct eye contact with a 1% solution of Polyethylene Oxide Lauryl Ether produced temporary local eye anesthesia in rabbits.

Prolonged overexposure to Ethanol has caused human birth defects.

Findings from a combined repeated-dose toxicity study with reproductive/developmental screening endpoints on n-octyltriethoxysilane have shown neurological effects in rats at high doses (1000 mg/kg). Paralysis and paresis of the limbs, and demyelination of the brain, spinal cord, sciatic and tibial nerves was noted in some animals.

**Special Hazard Information on Components:** No known applicable information.

**Environmental Fate and Distribution Complete:** Information is not yet available.

**Environmental Effects:** Complete Information is not yet available.

**Fate and Effects in Waste Water Treatment Plants:** Complete Information is not yet available.

Hazard Parameters (LC50 or EC50)	Ecotoxicity Classification Criteria		
	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p34, 1993.

# MATERIAL SAFETY DATA SHEET

AquaShed

FILE NO.:

DATE: 09/05/2024

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

## SECTION 12: ECOLOGICAL INFORMATION

No information available

## SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No State or local laws may impose additional regulatory requirements regarding disposal.

## SECTION 14: TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

## SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

Section 302 Extremely Hazardous Substances (40 CFR 355): None

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Chemical Name	Wt%	CWA - Hazardous Substances
Xylene 1330-20-7	0.05	X

CWA (CLEAN WATER ACT):

No information available

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

No information available

311/312 HAZARD CATEGORIES:

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

313 REPORTABLE INGREDIENTS:

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

STATE REGULATIONS:

California Proposition 65

CAS Number	Wt %	Component Name	Risk
75-07-0	<0.1000	Acetaldehyde	Carcinogenic
100-41-4	<0.100	Ethylbenzene	Carcinogenic

Massachusetts

CAS Number	Wt %	Component Name
75-07-0	<0.1000	Acetaldehyde

# MATERIAL SAFETY DATA SHEET

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FILE NO.:

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## New Jersey

CAS Number	Wt %	Component Name
7732-18-5	40.0 – 60.0	Water
216689-57-5	15.0 – 35.0	Silicic acid, diethoxyoctylsilyl trimethylsilyl ester
2943-75-1	10.0 – 30.0	N- Octyltriethoxysilane
70131-67-8	3.0 – 7.0	Dimethyl siloxane, hydroxyl-terminated
9002-92-0	1.0 – 5.0	Polyethylene oxide lauryl ether

## Pennsylvania

CAS Number	Wt %	Component Name
7732-18-5	40.0 – 60.0	Water
216689-57-5	15.0 – 35.0	Silicic acid, diethoxyoctylsilyl trimethylsilyl ester
2943-75-1	10.0 – 30.0	N-Octyltriethoxysilane
70131-67-8	3.0 – 7.0	Dimethy siloxane, hydroxy-terminated

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## SECTION 16: OTHER INFORMATION

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### DISCLAIMER:

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.