

MATERIAL SAFETY DATA SHEET

DIVERSIFIED WATERSCAPES, INC.

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Revision Date: 10/27/99

Diversified Waterscapes, Inc., urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

SECTION 1: PRODUCT INFORMATION

Trade/Material Name:	Formula F-10 FOAMKILL
Chemical Name:	Polydimethylsiloxane Emulsion
Chemical Family:	Organosilicone Emulsion
Manufacturer:	Diversified Waterscapes, Inc.
Phone:	949-582-5414 & 760-837-3700
Formula:	Mixture
Molecular Weight:	Mixture
Synonyms:	None.
CAS # and Name:	Trade Secret/7732-18-5 Trade Secret/Water

SECTION 2: INGREDIENTS AND HAZARDS

Ingredient Name:	Polydimethylsiloxane, plus proprietary additives
Percent:	<50%
CAS:	Trade Secret
Exposure Limit:	None established.
Ingredient Name:	Water
Percent:	>50%
CAS:	7732-18-5
Exposure Limit:	None established.

See Section X for chemicals appearing on Federal or State Right-To-Know lists.

SECTION 3: PHYSICAL DATA

Boiling Point, 760 mm Hg:	Mixture, >100 °C (212 °F)
Freezing Point:	Approximately 0 °C (32 °F)
Vapor Pressure at 20 °C:	<20 mmHg
Vapor Density (Air = 1):	>1
Water Solubility by wt:	Dispersible
Evaporation Rate (Butyl Acetate = 1):	<1
Specific Gravity (H₂O=1):	0.98 @ 25/25 °C
Appearance:	Opaque white
Odor:	Mild
Physical State:	Liquid

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (test method(s)):	None Pensky-Martens Closed Cup ASTM D 93
Extinguishing Media:	Non-flammable (aqueous solution): After water evaporates, remaining material will burn. Use alcohol-type or all-purpose-type foam, applied by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.
Flammable limits in Air % by volume:	
Lower:	Not determined
Upper:	Not determined
Special Fire Fighting Procedures:	None
Unusual Fire And Explosion Hazards:	None

SECTION 5: REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	None known.
Incompatibility (materials to avoid):	None known.
Hazardous Combustion or Decomposition Products	After evaporation of water, burning of residue can produce carbon monoxide, carbon dioxide, and oxides of silicon. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

SECTION 6: HEALTH HAZARD DATA

Exposure Limit(s):	None established by OSHA or ACGIH.
Effects of Single Overexposure:	
Inhalation:	Short-term harmful health effects are not expected from vapor generated at ambient temperature.
Skin Contact:	No evidence of harmful effects from available information.
Skin Absorption:	No evidence of harmful effects from available information
Eye Contact:	No evidence of harmful effects from available information
Ingestion/Swallowing:	No evidence of harmful effects from available information.
Effects of Repeated Exposure:	No evidence of harmful effects from available information.
Medical Conditions Aggravated By Exposure:	A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.
Significant Laboratory Data With Possible Relevance to Human Health Hazard Evaluation:	None currently known.
Other Effects of Overexposure:	None currently known.
Emergency And First Aid Procedures:	
Swallowing:	No emergency care anticipated.
Skin:	Wash skin with soap and water.
Inhalation:	No emergency care anticipated.
Eyes:	Flush eyes thoroughly with water for several minutes.

Notes to Physician:

Toxicology studies have shown this material to be very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Carcinogenicity:

Not considered a carcinogen

IARC Monographs:

None

Osha Regulated:

No

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken if
Material is Released or Spilled:**

Collect for disposal.

Waste Disposal Method:

Incinerate in a furnace or otherwise dispose of in accordance with appropriate Federal, State, and local regulations.

**Precautions To Be Taken
In Handling And Storing:**

Store in a cool dry place. Keep container tightly closed when not in use. Keep away from food or feed. Do not get in eyes or on skin. Wash thoroughly after handling.

SECTION 8: SPECIAL PROTECTION INFORMATION - CONTROL MEASURES

Respiratory Protection (specify type):

None Expected to be Needed.

Ventilation/Mechanical:

General (mechanical) room ventilation is expected to be satisfactory.

Protective Gloves:

PVC-coated.

Eye Protection:

Safety Glasses.

Other Protection:

Eye Bath, Safety Shower.

Work/Hygienic Practices:

Safety Shower.

SECTION 9: SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage:

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

Other Precautions:

None.
HMIS Rating: Health: 0
Flammability: 0
Reactivity: 0

Personal Protection: Rating to be supplied by user depending on use conditions.

SECTION 10: REGULATORY INFORMATION

Status On Substance Lists:

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS".

Federal EPA:

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA):

Requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (Rqs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are: ***NONE***

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (Rqs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312).

Components present in this product at a level which could require reporting under the statute are: ***NONE***

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

Requires submission of annual reports of toxic chemicals that appear in 40 CFR (for SARA 313). This information must be included in all MSDSs that are distributed for this material.

Components present in this product at a level which could require reporting under the statute are: ***NONE***

Toxic Substances Control Act (TSCA) STATUS:

The ingredients of this product are on the TSCA inventory.

State Right-To-Know:

CALIFORNIA Proposition 65:

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

MASSACHUSETTS Right-To-Know, List (MSL)

Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are: ***NONE***

PENNSYLVANIA Right-To-Know, Hazardous Substance List:

Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are: ***NONE***

California SCAQMD RULE 443.1 VOC'S:

Volatile Organic Components (VOC's) = Substances with vapor pressure of = > .05 mmHg at 104 °C (219.2 °F).

This product contains 5.98 g/liter VOC's and 33.61 g/liter VOC's (less water and exempt compounds).

Other Regulatory Information:

EPA Hazard Categories: None

Labeling Requirements Per New Jersey Worker and Community Right-To-Know Act:

COMPONENT
Water
Silica filled polydimethylsiloxane
Polyacrylic acid
Ethoxylated aryl

CAS#
7732-18-5
Trade secret, NJ Reg # 26175-5426P
Trade secret, NJ Reg # 26175-5429P
Trade secret, NJ Reg #26175-5427P, -5428P

NOTE

The opinions expressed herein are those of qualified experts within Diversified Waterscapes, Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of the use of the products are not under the control of Diversified Waterscapes, Inc., it is the user's obligation to determine the conditions of safe use of the product.

REVISED SECTIONS: Section 10

PRODUCT: 02043
F NUMBER: S0333D

THE INFORMATION CONTAINED WHEREIN IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AS OF THE DATE OF PUBLICATION OF THIS MATERIAL SAFETY DATA SHEET.