

Formula F-10 Foamkill

Material Data Safety Sheet (MSDS)

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 that 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 (3) request its customers to notify their employees, customers and other users of the product of this information.

Section 1 – Chemical Product & Company Identification

Trade Name:	Formula F-10 Foamkill	Revision Date: 06/02/2011
Chemical Family/Use:	Silicone Emulsion	
Chemical Name:	Polydimethylsiloxane emulsion	
Manufactured for:	Diversified Waterscapes, Inc.	
Street Address, City & State:	27324 Camino Capistrano Suite 213, Laguna Niguel, CA 92677-1118	
For Technical Support:	949-582-5414	
For Chemical Emergency Only:	800-424-9300	

Section 2 – Composition/Information on Ingredients

Product Composition	CAS#	WGT.%
<u>A. Hazardous</u>		
<u>B. Non-Hazardous</u>		
Silica filled Polydimethylsiloxane		>50 %
Water	7732-18-5	<50 %
Ingredients not precisely identified are proprietary or nonhazardous under the OSHA Hazard Communication Standard CFR Title 29 1910.1200.		

Section 3 – Hazards Overview

Emergency Overview:	Attention! This material is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910. 1200	
Ingestion:	No adverse effects are expected under normal conditions of use.	
Eye Contact:	May cause mild eye irritation.	
Skin Contact:	May cause mild skin irritation	
Inhalation:	No adverse effects are expected under normal conditions of use.	
Medical Conditions Aggravated:	None Known	
Subchronic (Target Organ):	None Known	
Chronic Effects/Carcinogenicity:	This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.	
Routes of Exposure:	Eyes; Absorption through skin.	

Section 4 – First Aid Measures

FIRST AID PROCEDURES	
Ingestion:	Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Skin Contact:	Wash off with soap and water. Get medical attention if symptoms occur.
Inhalation:	Remove to fresh air.
Note to Physician:	Treatment is symptomatic and supportive.

Section 5 – Fire & Explosion

Flash Point:	-
Method:	None
Ignition Temperature:	-
Flammable Limits in Air-Lower(%):	not applicable
Flammable Limits in Air-Upper(%):	not applicable
Sensitivity to Mechanical Impact:	No
Sensitivity to Static Discharge:	Sensitivity to static discharge is not expected.
Extinguishing media:	All standard extinguishing agents are suitable.
Special fire fighting protective equipment:	Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Section 6 – Accidental Release Measures

Methods for Clean-Up:	Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear protective equipment as specified in the protective equipment section.
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Section 7 - Handling and Storage

Storage:	Store at room temperature in the original container. Keep container closed.
Precautions to be taken in Handling and Storage:	Avoid contact with eyes. Keep away from children. Do not freeze. Stir well before using. Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150° C (300° F). See Section 10 of MSDS for details.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls:	Eyewash stations; Showers; Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.
Respiratory Protection:	If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).
Protective Gloves:	Impermeable or chemical resistant gloves.
Eye and Face Protection:	Safety glasses with side-shields.
Other Protective Equipment:	Wear suitable protective clothing and eye/face protection.

EXPOSURE GUIDELINES

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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Absence of values indicates none found.

PEL – OSHA Permissible Exposure Limit; TLV-ACGIH Threshold Limit Value; TWA – Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000(58 FR 35338).

Section 9 – Physical Data

Boiling Point :	ca 100° C, 212° F
Vapor Pressure : (20° C) (MM HG)	~20
Vapor Density (Air=1):	> 1
Freezing Point:	ca. 0° C, 32° F
Melting Point:	ca. 0° C, 32° F
Physical State:	liquid
Odor:	Faint
Color:	white
Evaporation Rate: (Butyl Acetate = 1)	<1
Specific Gravity: (Water=1)	ca. 0.98
Density (KG/M3):	980 KG/M3
Acid/Alkalinity (MEQ/G):	no data available
pH:	no data available
Volatile Organic Content: (VOL)	-
Solubility in Water (20° C):	-
Solubility in Organic Solvent : (State Solvent)	no data available
VOC Excel. H2O & : Exempts (G/L)	5.98

Section 10 – Stability and Reactivity

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Thermal Decomposition: / Combustion Products	After evaporation of water, residue can burn to produce; carbon dioxide (CO ₂); Carbon monoxide, Silicone dioxide; formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300° F (150° C) and above in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.
Incompatibility : (Materials to Avoid)	None known.
Conditions to Avoid:	None known.

Section 11 – Toxicology Information

Acute Oral:	None known.
Acute Dermal:	None known.
Acute Inhalation:	None known.
Other:	No data available
Sensitization:	No data available
Skin Irritation:	Species: rabbit; Result: Minimal irritation. The toxicological data has been taken from products of similar composition.
Eye Irritation:	No eye irritation. The toxicological data has been taken from products of similar composition.
Mutagenicity:	No data available.

Section 12 – Ecological Information

Ecotoxicity:	No data available
Chemical Fate:	No data available
Distribution:	No data available

Section 13 – Disposal Considerations

Disposal Instructions:	Disposal should be made in accordance with federal, state and local regulations.
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Section 14 – Transportation Information

General Information:	Not regulated.
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Section 15 – Regulatory Information

Inventories

Canada DSL Inventory	y(positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y(positive listing)
Korea Existing Chemicals Inventory (KECI)	y(positive listing)
China Inventory of Existing Chemical Substances	y(positive listing)
Australia Inventory of Chemical Substances (AICS)	y(positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y(positive listing)
TSCA list	y(positive listing)
Canada NDSL Inventory	n(Negative listing)

For inventories that are marked as quantity restricted or special cases, please contact DWI.

US Regulatory Information

<u>CERCLA Product Composition</u>	<u>Chemical</u>	<u>CERCLA Reportable Quantity</u>
Clean Air Act		
Clean Water Act		
SARA Section 302		
SARA (311,312) Hazard Class		
No SARA Hazards		
SARA Chemicals		

Canada Regulatory Information

WHMIS Hazard Class
Non-Controlled

Other

SCHDLE B/HTSUS:

ECCN:

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.

Section 16 – Other Information

Disclaimer:	Neither the manufacturer nor the seller makes any warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer/User assumes all risk and responsibility for personal injury or property damage caused by the material. Read and follow the label directions carefully.
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