

**Section 1. Product and Company Identification****Product Name:** FLOR-SHIELD (Part B)**Product use:** Water repellent and impregnating agent.**Effective Date:** FEB 19<sup>th</sup> 2016

Replaces: New

**Manufacturer Information:** Diamatic  
5220 Gains Street  
San Diego, Ca 92110  
Telephone number: 800-256-3440

**USA Emergency Phone Number:**  
**INFOTRAC (24-hr/7 days): 1-800-535-5053**  
**Outside the United States: Call collect 1-352-323-3500**  
**For Medical Emergency: Call 1-800-535-5053**

**Section 2. Hazard Identification****GHS Pictograms:****GHS Signal Word:** WARNING

This product is a white liquid. Avoid contact with eyes and skin. Keep out of reach of children.

**POTENTIAL HEALTH EFFECTS:****CODE OF HAZARD STATEMENTS:****Physical hazards**

None.

**Health Hazards**

H314-Causes severe skin burns and eye damage.

H318-Causes serious eye damage.

**Environmental hazards**

H402-Harmful to aquatic life..

**CODE OF PRECAUTIONARY STATEMENTS:****General**

P101-Keep out of reach of children.

P103-Read label before use.

**Prevention statements**

P202-Do not handle until all safety precautions have been read and understood.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling using this product.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

**Response statements**

P301 + P330 + P331 Rinse mouth. DO NOT induce vomiting..

P303 + P361 + P253 If on skin (or hair): Take off immediately all contaminated clothing, Rinse skin with water/shower.

P304 + P310 + P340 IF INHALED: remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

P305 + P310 + P338 + P351 IF IN EYES: Rinse cautiously with water for 15 minutes, Remove contact lens, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

**ROUTES OF ENTRY:** Eye contact, skin adsorption, ingestion and inhalation.**CARCINOGENICITY:**None.

### Section 3. Ingredients and Hazards Identification

Components				
Component	CAS #	EINECS No	% by weight	REACH Reg. #
Triethoxyoctylsilane	2943-75-1	220-941-2	>10 <20	No
Dimethyl siloxane with aminoethylaminopropyl silsesquioxane, hydroxyl-term	68554-54-1	2	>1 <5	No
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	>0.1 <1	Yes

### Section 4. First Aid Measures

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Use water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

### Section 5. Fire Fighting Measures

Flash Point: > 212°F (>100°C) Flammability Limits: NE

Fire Fighting Media: Use media for surrounding fire such as dry chemical, carbon dioxide, and water spray.

Special Fire Fighting Procedures: First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

### Section 6. Accidental Release Measures

Clean-up Procedures: Wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use plastic shovel to pick up absorbent for disposal.

Spills and Leaks: Dispose in accordance to local, state or federal regulations.

### Section 7. Handling and Storage

Handling: Do not get on skin or clothing. Do not swallow. Avoid inhalation of mist. Avoid contact with eyes. Wash thoroughly after handling.

Storage: Store in original labeled container.

### Section 8. Exposure Control/Personal Protection

Introductory Remarks: Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

OSHA TWA: Octamethylcyclotetrasiloxane is 10 ppm.

Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

Hands: Impervious gloves

Respiratory: Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

Other: None.

### Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	White liquid.	<b>Boiling Point</b>	>95°F (35°C)
<b>Flash Point</b>	212°F (100°C)	<b>Density(water=1)</b>	1.0

### Section 10. Stability and Reactivity

**Chemical Stability:** Considered stable under normal ambient temperatures.

**Hazardous Decomposition:** If complete combustion, oxides of carbon and silicates are formed.

**Hazardous Polymerization:** Will not occur.

**Incompatibility/Materials to Avoid:** Avoid contact with strong oxidizing agents and water.

### Section 11. Toxicological Information

**Oral LD<sub>50(rat)</sub>** =>5000 mg/kg      **Dermal LD<sub>50(rabbit)</sub>** =>5000 mg/kg      **Inhalation LC<sub>50</sub>** => 40mg/L

**Acute Eye Irritation:** Eye irritant.

**Acute Skin Irritation:** Irritation.

**Acute Dermal Toxicity:** Not expected to be toxic through the skin.

**Carcinogenic Effects:** None

**Existing Medical Conditions Aggravated by Exposure:** Exposure to eyes and skin may cause irritation to pre-existing conditions.

### Section 12. Ecological Information

**Ecotoxicity:** The ecotoxicity of this product has not been determined. May cause harmful effects to aquatic life.

**Environmental Fate:** This product should be expected to be readily biodegradable.

### Section 13. Disposal Considerations

**Waste Disposal Method:** What ever cannot be saved for recovery or recycling by the local, state or Federal Regulations.

**Container Handling and Disposal:** All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

### Section 14. Transport Information

**Shipping Name:** FLOR-SHIELD (Part B)

**Proper shipping description per 49 CFR:** Not regulated.

**Proper IATA shipping description (air):** Not regulated.

**Proper IMO shipping description:** Not regulated.

### Section 15. Regulatory Information


EPCRA 311/312 Categories: Immediate (Acute) Health Effects: Yes

Delayed (Chronic) Health Effects: Yes

Fire Hazard: No

Sudden Release of Pressure: No

Reactivity: Yes

European Community:  Irritant

Reportable Quantity (RQ): None.

Prop. 65: None.

Right to Know: All ingredients are listed in NJ and PA.

WHMIS: None.

All ingredients are listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

#### ABBREVIATIONS:

CAS #      Chemical Abstract Service Number

EINECS European Inventory of existing  
Commercial Chemical Sales

°C      Celsius temperature scale

°F      Fahrenheit temperature scale

Prop.      Proprietary

PE      Personal Protective Equipment

TLV      Threshold Limit Value

TWA      Time Weighted Average

STEL      Short-term Exposure Limit

PEL      Permissible Exposure Limit

OSHA      Occupational Safety & Health

NIOSH      National Institute of Safety & Health

NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

**Section 16. Other Information**

**Hazardous Material Information (HMIS)**

**National Fire Protection Association (NFPA)**

Health	3	2	Health
Fire	1	1	Fire
Reactivity	0	0	Instability
Personal Protection	E		NA

Health                    4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard  
 Fire                      4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn  
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable