



# Safety Data Sheet

Issue Date: 11-Dec-2012

Revision Date: 16-Dec-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** FloorStar Endure 2

### Other means of identification

**SDS #** SVM-065

**Product Code** 32924 & 32925  
Formula code F1141B

### Recommended use of the chemical and restrictions on use

**Recommended Use** Floor finish.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

ServiceMaster™ Clean  
3839 Forest Hill Irene Rd.  
Memphis, TN, USA. 38125

### Emergency Telephone Number

**Company Phone Number** 1-800-756-5656 (ServiceMaster™ Clean)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Opaque emulsion

**Physical State** Liquid

**Odor** Solvent

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Acrylic Polymer	PROPRIETARY	20-40
Di(ethylene glycol) ethyl ether	111-90-0	5-10
tributoxyethyl phosphate	78-51-3	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin Contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	Not a normal route of exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

#### Most important symptoms and effects

<b>Symptoms</b>	Eye: May cause irritation. Skin: May cause irritation. May be absorbed through the skin. Ingestion: May cause stomach distress, nausea or vomiting.
-----------------	---

#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Dry chemical, water spray, alcohol foam, carbon dioxide, water mist or fog.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Product is not flammable or combustible.

**Hazardous Combustion Products** May include and are not limited to oxides of carbon, oxides of phosphorous.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

- Personal Precautions**            Use personal protective equipment as required.
- Environmental Precautions**    See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

- Methods for Containment**        Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up**            Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

- Advice on Safe Handling**        Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

- Storage Conditions**            Store in a closed container away from incompatible materials. Protect from freezing.
- Incompatible Materials**        Oxidizers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**            The following information is given as general guidance No exposure limits noted for ingredient(s)

**Appropriate engineering controls**

- Engineering Controls**            General ventilation normally adequate.

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection**            Safety glasses.
- Skin and Body Protection**      Rubber gloves. Confirm with a reputable supplier first.
- Respiratory Protection**        Not normally required if good ventilation is maintained.
- General Hygiene Considerations** Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	Opaque emulsion	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Opaque		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.05-8.45	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.019-1.031	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	Density: pounds per gallon @ 25°C 8.00-8.60	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions. Do not mix with other chemicals

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Oxidizers.

### Hazardous Decomposition Products

May include oxides of carbon, oxides of phosphorous when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** May cause temporary irritation on eye contact.

**Skin Contact** May cause temporary irritation on skin contact.

**Inhalation** Not an expected route of exposure.

**Ingestion** May cause stomach distress, nausea or vomiting.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Di(ethylene glycol) ethyl ether 111-90-0	= 1920 mg/kg ( Rat )	= 4200 µL/kg ( Rabbit ) = 6 mL/kg ( Rat )	> 5240 mg/m <sup>3</sup> ( Rat ) 4 h
tributoxyethyl phosphate 78-51-3	= 3000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 6.4 mg/L ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Chronic toxicity** Prolonged or repeated exposure can cause drying, de-fatting and dermatitis.

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Di(ethylene glycol) ethyl ether 111-90-0		11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through		3940 - 4670: 48 h Daphnia magna mg/L EC50
tributoxyethyl phosphate 78-51-3		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through		

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Chemical Name	Partition Coefficient
Di(ethylene glycol) ethyl ether 111-90-0	-0.8
tributoxyethyl phosphate 78-51-3	4.78

### Other Adverse Effects

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated
<b>TDG</b>	Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

<b>TSCA</b>	All ingredients are listed or exempt from listing on Chemical Substance Inventory
<b>DSL</b>	Listed
<b>NDSL</b>	Listed

#### **Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

#### US Federal Regulations

#### **SARA 313**

However, if this product is utilized for routine janitorial maintenance, it is exempted from this section, as stated in 40 CFR 372.382 (c) Uses Exemptions

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Di(ethylene glycol) ethyl ether - 111-90-0	111-90-0	5-10	1.0

#### US State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Di(ethylene glycol) ethyl ether 111-90-0	X		X

<b>16. OTHER INFORMATION</b>
------------------------------

**NFPA****Health Hazards**

1

**Flammability**

0

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:**

11-Dec-2012

**Revision Date:**

16-Dec-2013

**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**