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## Material Safety Data Sheet

Issue date: 09/12/2001  
Revision date: 05/01/2005

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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**Supplier:**

Seepage Control  
7301 W. Boston St.  
Chandler, AZ 85226

**Emergency telephone number:** (800) 214-9640  
**Customer service number:** (480) 763-1180  
**Product name:** ESS-13<sup>®</sup> Soil Sealant

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### 2. HAZARDS IDENTIFICATION

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**Emergency overview:** Avoid contact with skin and eyes.  
Do not breathe vapors or spray.

This material is not a controlled product under WHMIS

**Properties affecting health:** May cause eye/skin irritation.

**Principle routes of exposure:**

**Eye Contact:** Contact with eyes may cause irritation.  
**Skin contact:** May cause skin irritation.  
**Ingestion:** May cause nausea and irritation  
**Inhalation:** May cause minor irritation if mist or spray is inhaled.

**Physico-chemical properties:** No hazards resulting from material as supplied.

**Hazard information:**

**Target organ effects:** Eyes  
Skin  
**Reproductive effects:** None known.  
**Mutagenic effects:** None known.  
**Sensitization:** None known.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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The product contains no substances which at their given concentration, are considered to be hazardous to health

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### 4. FIRST AID MEASURES

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**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and Seek medical attention  
**Skin contact:** Rinse skin continuously for 15 minutes after washing with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.  
**Ingestion:** If ingested drink two glasses of water. Do not induce vomiting. Seek medical attention.  
**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.  
**Protection of first-aiders:** Wear suitable gloves and eye/face protection.

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## 5. FIRE-FIGHTING MEASURES

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<b>Suitable extinguishing media:</b>	Use any extinguishing media which is suitable for the surrounding fire.
<b>Extinguishing media which must not be used for safety reasons:</b>	None.
<b>Special protective equipment for firefighters:</b>	Wear self-contained breathing apparatus and protective suit.
<b>Specific methods:</b>	None.
<b>Hazardous combustion products:</b>	No significant combustion products likely.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions:</b>	Ensure adequate ventilation. Wear suitable gloves and eye/face protection
<b>Environmental precautions:</b>	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
<b>Methods for cleaning up:</b>	Wipe up with adsorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

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## 7. HANDLING AND STORAGE

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### Handling:

<b>Technical measures/precautions:</b>	Wear protective safety glasses, gloves and clothing.
<b>Safe handling advice:</b>	Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards. Avoid contact with skin and eyes.

### Storage:

<b>Technical measures/storage conditions:</b>	Do not freeze.
<b>Incompatible products:</b>	No special restrictions on storage with other products.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Engineering controls:</b>	Ensure adequate ventilation.
<b>Personal protective equipment</b>	
<b>Eye protection:</b>	Wear safety glasses with side-shields.
<b>Hand protection:</b>	Wear disposable gloves while handling kit reagents. Thoroughly wash hands afterwards.
<b>Skin and body protection</b>	Wear suitable protective clothing. Wear suitable gloves and eye/face protection.
<b>Respiratory protection:</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Other/general protection:</b>	None.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### General Information

<b>Physical state:</b>	Liquid-Emulsion
<b>Color:</b>	Off-white color
<b>Odor:</b>	Slight Organic Odor

### Important Health Safety and Environmental Information

<b>Flash point:</b>	Above 149 °C	<b>Boiling point/range:</b>	212 °F 100 °C
<b>Specific gravity:</b>	1.0-1.02	<b>Vapor pressure:</b>	24mbar(18mmHg)20°C
<b>pH:</b>	8±1		

### Other information

<b>Explosivity:</b>	None.
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## 10. STABILITY AND REACTIVITY

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<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Materials to avoid:</b>	None known.
<b>Conditions to avoid:</b>	Do not freeze.
<b>Hazardous polymerization:</b>	Hazardous polymerization does not occur.
<b>Hazardous decomposition products:</b>	Not applicable.

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## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

<b>Eye contact:</b>	Contact with eyes may cause irritation.
<b>Skin contact:</b>	May cause skin irritation.

### Subchronic toxicity

<b>Skin contact:</b>	Repeated or prolonged exposure to the skin could cause irritation.
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### Chronic toxicity

<b>Skin contact:</b>	Repeated or prolonged exposure to the skin could cause irritation.
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### Specific effects

<b>Sensitization:</b>	No effects expected.
<b>Target organ effects:</b>	Eyes Skin

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

<b>Ecotoxicity effects:</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	<i>Daphnia Magna</i> LC50 (48hr) = 0.21% <i>Pimephales promelas</i> (Fathead Minnow) LC50 (96hr) = 0.146%

<b>Mobility:</b>	No data available.
<b>Persistence / degradability:</b>	No data available.
<b>Bioaccumulation:</b>	No data available.
<b>Degradation:</b>	No data available.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Waste from residues / unused products:</b>	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
<b>Contaminated packaging:</b>	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

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## 14. TRANSPORT INFORMATION

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Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

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## 15. REGULATORY INFORMATION

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### SARA (311, 312) hazard class

Immediate health:	None.
Delayed health:	None.
Fire:	None.
Sudden Release of Pressure Hazard:	None.
Reactivity:	None.

**Inventory Information:**

**United States (USA):** All of the chemicals present in the product are found on the TSCA (Toxic Substances Control Act) Inventory or are not required to be listed on the TSCA chemical inventory..

**Canada:** All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

**European Union (EU):** All components of this product are included on the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.

**Australia:** All components of this product are included in the Australian Inventory of Chemical Substances (AICS).

**China:** All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

**Japan:** All components of this product are included on the Japanese(ENCS)inventory or are not required to be listed on the Japanese inventory.

**Korea:** All components of this product are included on the Korean(ECL)inventory or are not required to be listed on the Korean inventory.

**Philippines:** All components of this product are NOT included on the Philippine (PICCS) inventory.

**State Regulations:** None.

**Other Environmental Information:**

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc. ):

This product does not contain any components regulated under these sections of the EPA

**International Inventories****WHMIS:**

**WHMIS trade secret:** None.

**WHMIS hazard class:** None.

**Notes:**

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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**16. OTHER INFORMATION**

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**NFPA Hazard Rating (National Fire Protection Association):**

Health = 1

Flammability = 0

Reactivity = 0

**This data sheet contains changes from the previous version in section(s):** 9-16

**Reason for changes:** Additional regulatory information and adopt ANSI Z400.1-2004 standard

**MSDS format:**

North American Format - U.S. and Canada

This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

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**End of Safety Data Sheet**