



## Material Safety Data Sheet

### 1. Identification of the Product and the Company

**Product Name:** APS 702 Silt Stop

**Manufacturer:** Applied Polymer Systems, Inc.  
519 Industrial Drive  
Woodstock, GA 30189  
Tel. 678-494-5998  
Fax. 678-494-5298  
[www.siltstop.com](http://www.siltstop.com)

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### 2. Composition / Information on Ingredients

**Identification of the preparation:** Anionic water-soluble co-polymer.

### 3. Hazard Identification

Aqueous solutions or powders that become wet render surfaces extremely slippery.

### 4. First Aid Measures

**Inhalation:** Move to fresh air. Use dust mask when handling.

**Skin contact:** Contact with wet skin could cause dryness and chapping, wash with water and soap. In case of persistent skin irritation, consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water, also under the eyelids, seek medical attention in case of persistent irritation.

**Ingestion:** Consult a physician

### 5. Fire-Fighting Measures

**Suitable extinguishing media:** Water, water spray, foam, carbon dioxide, dry powder.

**Special fire fighting precautions:** Aqueous solutions or powders that become wet render surfaces extremely slippery.

**Protective equipment for firefighters:** No special equipment required.

### 6. Accidental Release Measures

**Personal precautions:** No special precautions required.

**Methods for cleaning up:** Do Not flush with water. Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

### 7. Handling and Storage

**Handling:** Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Use dust mask during handling. Wash hands after handling.

**Storage:** Keep in a cool, dry place. (0-30° C).

### 8. Exposure Controls / Personal Protection

**Engineering Controls:** Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dust.

**Personal Protection Equipment**

|                                |   |
|--------------------------------|---|
| <b>Respiratory Protection:</b> | Dust safety masks are recommended where dusting may occur.                  |
| <b>Hand Protection:</b>        | Dry cloth, leather or rubber Gloves.  |
| <b>Eye Protection:</b>         | Safety glasses with side shields or face masks. Do not wear contact lenses. |
| <b>Skin Protection:</b>        | No special protective clothing required.                                    |
| <b>Hygiene Measures:</b>       | Wash hands before breaks and at end of workday.                             |

**9. Physical and Chemical Properties**

|                       |                |
|-----------------------|----------------|
| <b>Form:</b>          | Granular solid |
| <b>Color:</b>         | White          |
| <b>Odor:</b>          | None           |
| <b>pH:</b>            | 5-6            |
| <b>Melting Point:</b> | N/A            |
| <b>Flash Point:</b>   | N/A            |
| <b>Autoignition:</b>  | N/A            |

**10. Stability and Reactivity**

|  |  |
|--|--|
| <b>Stability:</b>                        | Product is stable, no hazardous polymerization will occur.                           |
| <b>Materials to Avoid:</b>               | Oxidizing agents may cause exothermic reactions.                                     |
| <b>Hazardous Decomposition Products:</b> | Thermal Decomposition may produce nitrogen oxides (NO <sub>x</sub> ), carbon oxides. |

**11. Toxicological / Ecological Information****Acute Toxicity:** (EPA/600/4-90/027F)

LD 50 / *Rattus norvegicus* / oral / >5000 mg/kg  
 LC 50 / *Daphnia magna* / 48h / >420 ppm  
 EC 50 / *Selenastrum capricornutum* / 96h / >500 ppm

**Chronic Toxicity:** (EPA/600/R-98/182)

IC 25 (Survival) / *Pimephales promelas* / 7 day / 619 ppm  
 NOEC (Survival) / *Pimephales promelas* / 7 day / 840 ppm  
  
 IC 25 (Growth) / *Pimephales promelas* / 7 day / 571 ppm  
 NOEC (Growth) / *Pimephales promelas* / 7 day / 840 ppm

|                                     |  |
|-------------------------------------|--|
| <b>Inhalation:</b>                  | The product is not expected to be toxic by inhalation.   |
| <b>Dermal:</b>                      | The result of testing on rabbits showed no toxicity even at high dose levels.  |
| <b>Bioaccumulation:</b>             | The product is not expected to bioaccumulate.  |
| <b>Persistence / Degradability:</b> | Not readily biodegradable: (~40% after 28 days).   |
| <b>Chronic toxicity:</b>            | A 2 yr feeding study on rats did not reveal adverse health effects.<br>A 1 yr feeding study on dogs did not reveal adverse health effects. |

**12. Transport and Regulatory Information**

Not regulated by DOT, RCRA status-Not a hazardous waste

**NFPA and HMIS ratings:**

|              |           |                 |               |
|--------------|-----------|-----------------|---------------|
| <b>NFPA:</b> | Health: 3 | Flammability: 0 | Reactivity: 1 |
| <b>HMIS:</b> | Health: 2 | Flammability: 0 | Reactivity: 1 |