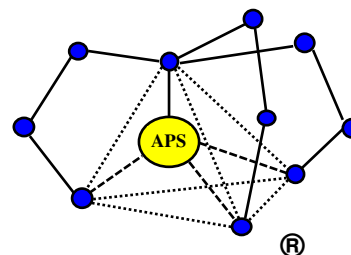


# Applied Polymer Systems, Inc.



## Material Safety Data Sheet

### 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: APS 730 Silt Stop

Supplied: 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)

### 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.

Skin contact: Contact with wet skin could cause chapping and skin irritation. 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 breath dust. Use dust mask during handling. Wash hands after handling.

Storage: Keep in a cool, dry place. (0-30<sup>0</sup> 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**

**Respiratory Protection:** Dust safety masks are recommended where dusting may occur.  
**Hand protection:** Dry cloth, leather or rubber gloves.  
**Eye Protection:** Safety glasses with side shields or face masks. Do not wear contact lenses.  
**Skin protection:** No special protective clothing required.  
**Hygiene measures:** Wash hands before breaks and at end of work day.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Granular solid  
**Color:** White  
**Odor:** None  
**pH:** 8.23  
**Melting point:** N/A  
**Flash point:** N/A  
**Vapor density:** N/A

**10. STABILITY AND REACTIVITY**

**Stability:** Product is stable, no hazardous polymerization will occur.  
**Materials to avoid:** Oxidizing agents may cause exothermic reactions.  
**Hazardous decomposition products:** Thermal decomposition may produce nitrogen oxides (NO<sub>x</sub>), carbon oxides.

**11. TOXICOLOGICAL / ECOLOGICAL INFORMATION****Acute Toxicity**

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

**Inhalation:** The product is not expected to be toxic by inhalation.  
**Dermal:** The results of testing on rabbits showed no toxicity even at high dose levels.

**Chronic Toxicity**

IC 25 (Survival) / *Ceriodaphnia dubia* / 7 day / 33.8 ppm  
 NOEC (Survival) / *Ceriodaphnia dubia* / 7 day / 26.25 ppm  
 IC 25 (Reproduction) / *Ceriodaphnia dubia* / 7 day / 5.6 ppm  
 NOEC (Reproduction) / *Ceriodaphnia dubia* / 7 day / 6.57 ppm

**Bioaccumulation:** The product is not expected to bioaccumulate.  
**Persistence / degradability:** Not readily biodegradable: (~40% after 28 days)  
**Chronic toxicity:** A two year feeding study on rats did not reveal adverse health effects.  
 A one year 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:**

NFPA Health:	1	Flammability:	1	Reactivity:	0
HMIS Health:	1	Flammability:	1	Reactivity:	0