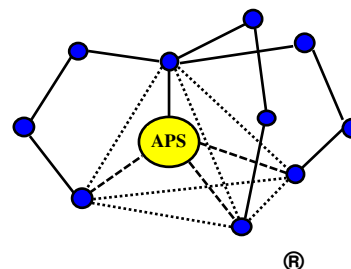


# Applied Polymer Systems, Inc.



## Material Safety Data Sheet

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

**Product Name:** APS 707 Silt Stop

**Supplied:** Applied Polymer Systems Inc.  
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 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 breath dust. Use dust mask during handling. Wash hands after handling.

**Storage:** Keep in a cool, dry place. (0-30° C) DO NOT FREEZE

## 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:** 7.7—7.8  
**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 (NOx), carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

LC 50 / <i>Daphnia magna</i> / 48 hr / 24.78 mg/L	NOEC/ <i>Daphnia magna</i> / 48 hr / <26.25 ppm
LC 50 / <i>Oncorhynchus mykiss</i> / 96 hr / >3360 ppm	NOEC/ <i>Oncorhynchus mykiss</i> / 96 hr / 3360 ppm

### Chronic toxicity

LC 25 (Survival) / <i>C. dubia</i> / 8 day / 210 ppm	IC 25 (Reproduction) / <i>C. dubia</i> / 8 day / 76 ppm
NOEC (Survival) / <i>C. dubia</i> / 8 day / 210 ppm	NOEC (Reproduction) / <i>C. dubia</i> / 8 day / 210 ppm
LC 25 (Survival) / <i>P. promelas</i> / 7 day / >1680 ppm	IC 25 (Growth) / <i>P. promelas</i> / 7 day / >1680 ppm
NOEC (Survival) / <i>P. promelas</i> / 7 day / 1680 ppm	NOEC (Growth) / <i>P. promelas</i> / 7 day / 1680 ppm

**Bioaccumulation:** The product is not expected to bioaccumulate.

**Persistence / degradability:** Not readily biodegradable: ( 85% after 180 days ).  
 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