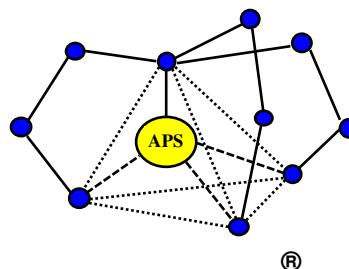


Applied Polymer Systems, Inc.



Material Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: APS 705 Silt Stop

Supplied: Applied Polymer Systems, Inc. Tel. 678-494-5998
 519 Industrial Drive Fax. 678-494-5298
 Woodstock, GA 30189 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. Use dust mask when handling.

Skin contact: Contact with wet skin could cause chapping and dryness. 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. (0-30⁰ 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: 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 (NO_x), carbon oxides.

11. TOXICOLOGICAL / ECOLOGICAL INFORMATION

Acute toxicity: (EPA/600/4-90/027F)

LD 50 / *Rattus norvegicus* / oral / > 5000 mg/kg
 LC 50 / *Oncorhynchus mykiss* / 96h / 530 mg/L
 LC 50 / *Daphnia magna* / 48h / >420mg/L
 EC 50 / *Selenastrum capricornutum* / 96h / >500mg/L

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

IC ₂₅ (Survival) / <i>P. promelas</i> / 7 day / 358 ppm	IC ₂₅ (Survival) / <i>C. dubia</i> / 7 day / 157.5 ppm
NOEC (Survival) / <i>P. promelas</i> / 7 day / 840 ppm	NOEC (Survival) / <i>C. dubia</i> / 7 day / 105 ppm
IC ₂₅ (Growth) / <i>P. promelas</i> / 7 day / 94 ppm	IC ₂₅ (Reproduction) / <i>C. dubia</i> / 7 day / 27.7 ppm
NOEC (Growth) / <i>P. promelas</i> / 7 day / 105 ppm	NOEC (Reproduction) / <i>C. dubia</i> / 7 day / 26.25 ppm

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.
Bioaccumulation: The product is not expected to bioaccumulate.
Persistence / degradability: Not readily biodegradable: (~40% after 28 days).
Chronic toxicity: A 2 yr feeding study on rats did not reveal adverse health effects.
 A 1 yr feeding study on dogs did not reveal adverse health effects.

13. 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