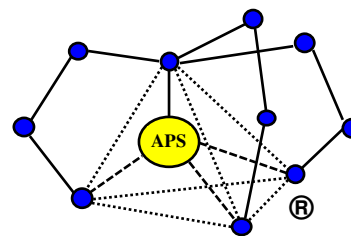


Applied Polymer Systems, Inc.



Material Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: 640 Silt Stop®

Supplier: Applied Polymer Systems, Inc.
519 Industrial Drive
Woodstock, GA 30189
www.siltstop.com
Tel. 678-494-5998
Fax. 678-494-5298

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation: Anionic water-soluble Co-polymer emulsion

3. HAZARD IDENTIFICATION

Aqueous solutions that contact wet surfaces render extremely slippery conditions.

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: Contact with wet surfaces creates extremely slippery conditions.

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 dry wipe 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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use local exhaust if misting occurs.

Personal protection equipment

Respiratory Protection: Use ventilated working area.
 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: Chemical resistant apron or protective suit if splashing or contact with solution is likely.
 Hygiene measures: Wash hands before breaks and at end of work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous Liquid Emulsion
 Color: Milky-White
 Odor: Aliphatic
 pH: 6-8
 Melting point: N/A
 Flash point: >100°C
 Autoignition: >200°C

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

Oral: LD 50/oral/rat > 5000 mg/kg
 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: Prolonged skin contact may irritate the skin and produce dermatitis.

12. ECOLOGICAL INFORMATION

Fish: LC 50/Fathead minnows/96h>1000 mg/l
 Algae: EC 50/72h /*Phaeodactylum tricornutum*>1000mg/l
 Daphnia: LC50/48h/*Chaetogrammus marinus*/15mg/l
 Bioaccumulation: The product is not expected to bioaccumulate.
 Persistence / degradability: Not readily biodegradable: (~40% after 28 days).

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