



Applied Polymer Systems, Inc

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APS 600 Series Silt Stop

Polyacrylamide Erosion Control Emulsion

APS 600 Series Silt Stop is a group of soil specific tailored polyacrylamide co-polymer emulsions for erosion control. They reduce and prevent erosion of fine particles and colloidal clays from the soil into stormwater.

Primary Applications

- Mine Tailings and Waste Piles
- Newly cleared Construction or Building Sites
- Road and Highway construction
- Hydroseeding and Water Truck application

Features and Benefits

- Removes solubilized soils and clay from water
- Prevents colloidal solutions in water when applied to the soil surface
- Will reduce soil movement during rain event on moderate slopes
- Binds cationic metals within the soil matrix, reducing solubilization
- Reduces pesticide and fertilizer loss during rain events
- Reduces wind borne dust conditions
- Increases soil permeability and water penetration to shallow plants
- Reduces operational and cleanup costs
- Reduces environmental risk and compliance

Specifications / Compliances

- ANSI/NSF Standard 60 Drinking water treatment chemicals

Packaging

APS 600 Series Silt Stop is packaged in 5 gallon pails

Technical Information

Appearance - Milky white liquid

Bulk Density - 8.4 lbs / gallon

pH 0.5% solution - 6-8

Shelf Life - up to 5 years

Note: Dosage-application rates are determined on soil specific testing. Soil polymers and blends should never be used without testing the soil first. Consult your local distributor or send you samples to Applied Polymer Systems, Inc.

Coverage

1.5 – 2.0 gallons / 3000 gallons water / Acre – gentle to moderate slopes (flat to 4:1)

2.0 - 2.5 gallons / 3000 gallons water / Acre – steep slopes (3:1 to 1:1)

Directions for Use

Shake or mix the jug of emulsion before opening as separation may have occurred.

APS 600 Series Silt Stop Emulsion may be applied with hydroseeders, water trucks or other spraying devices. Spraying devices having a mechanical agitator or mixing apparatus or hydraulic recirculation will work best.

Mixing - Pour emulsion into the water tank or hydroseeder filling water stream or with a mixing apparatus operating, pour emulsion into the filled tank. Allow emulsion to mix for one - two minutes before application. Seed, fertilizer, and mulch should be added into hydroseeders before the emulsion has been added.

Recommended Dosage - 1.5 - 2.5 gallons emulsion / 3000 gallons of water. Note: Water volume varies with applicators, 1.5 - 2.5 gallons emulsion to the water required to cover 1.0 acres. (Not less than 3000 gallons of water should be used)

Caution - Do Not exceed 2.5 gallons of emulsion / 3000 gallons as viscosity of the water may reduce spraying efficiency or damage spraying equipment.

Clean-up

Spilled emulsion should be cleaned up as soon as possible using absorbent material. Sand, wood fiber or straw may be applied to a spilled area as a temporary measure. **Do Not** try to hose away a large amount of spilled emulsion without first removing the majority of the spill. ***Extreme slippery conditions will result.*** In event of skin contact, wash emulsion from skin as soon as possible using soap and water.

Precautions / Limitations

- Clean up spills quickly, Do Not use water only unless necessary, extremely slippery conditions will result.
- Do Not add water to the APS 600 Series Silt Stop emulsion, add the emulsion to the water slowly while mixing or to the tank filling water stream.
- APS Silt Stop Emulsion will remain viable on the soil surface for 60-90 days. Longer viability will occur when applied emulsion is covered with straw or wood fiber mulch.
- APS 600 Series Silt Stop has been specifically tailored to specific soil types. Soil types in varying geographical areas may require testing. If proper performance of this product is not satisfactory, contact Applied Polymer Systems, Inc.