

PAM 25™

A HIGHLY EFFICIENT & FAST ACTING FLOCCULANT FOR SEDIMENT DISCHARGE REMOVAL & TMDL CONTROL

WHAT IS IT ?

PAM 25™ is an anionic or negatively charged liquid linear copolymer suspension in an aqueous solution that electro-chemically binds with soil particles and other cationic or positively charged components.

Low Rates

PAM 25™ is applied at a rate of 20 - 60 ppm by volume for flow of storm water discharge. For agriculture it is installed at 1 gallon per 2.75 acres.

Economical

Lower rates mean less product to purchase, store and handle. **PAM 25™** is readily available, and has a shelf life of more than 5 years.

Non Toxic

PAM 25™ meets all USDA standards. It has been tested by EPA certified labs as well as the University of California at Berkeley and was found to be non-toxic with a 50 fold safety factor!

Ease of Use

PAM 25™ is an aqueous based liquid and will not clump or clog during its performance. It can be easily installed directly into the water flow without using expensive equipment. It is water based, and disperses quickly and easily, resulting in superior performance

Compatible

PAM 25™ is compatible with any liquid fertilizers, surfactants or bio-stimulants.

... And it works every time

US & International Patents Pending

HOW DOES IT WORK?

Due to its negative ionic charge and high molecular weight, **PAM 25** binds with positively charged soil particles and other positively charged components resulting in particles that are too large to remain suspended in the water and consequently settle out to the bottom of the furrow, ditch or channel. Spraying **PAM 25** on the soil surface of construction sites, et al, eliminates erosion of the soil and prevents soil sediment and other components from being carried in the water flow resulting in cleaner tail waters.

WHAT DOES IT DO ?

Installation of **PAM 25™** provides many benefits including significant reductions in storm water discharge and Total Maximum Daily Load (TMDL) thereby assisting in compliance with EPA regulations. Certified test results have shown it to be non-toxic to aquatic life while flocculating out sediment from head ditch irrigation systems or storm water systems. In agriculture, it decreases soil erosion due to cohesion, reduces soil compaction and provides a significant reduction of fertilizer and pesticide loss resulting from run-off. Positively charged nutrients remaining in the soil are electro-chemically bound to the negatively charged polymer thereby holding them in place making them available for easy plant uptake. As an aqueous solution, it disperses easily into any water source forming an emulsion which can then be utilized directly by storm water control users or growers with their irrigation systems. In ag use, this product dramatically increases water infiltration throughout the root zone; reduces soil crusting, decreases clumping in root crops, reduces water loss and sodium salts in sandy and high sodium type soils.

Application Method: Slowly introduce the appropriate amount of **PAM 25™** into the irrigation water canal or channel. It will be ready for use instantly and will immediately commence in flocculating out the soil sediment and other components in the water.

Application Rate: 1 gallon per 2.75 acres metered into in-furrow **head ditch irrigation** systems. For direct application **onto soil**, mix thoroughly at a 1 % by volume and spray onto soil surface, 12-24 ounces per 1000 square feet for complete soil stabilization and erosion control. For optimum erosion control results, apply mulch in tandem with **PAM 25™**. For **storm water** sediment removal, install between 20 - 60 ppm. Exact rate to be determined by jar test.

Packaging: Since **PAM 25™** is an aqueous suspension, after a couple of weeks, the micronized crystals may settle on the bottom of the container. It is necessary to shake or stir the container prior to use. **PAM 25** is available in 2 ½ gallon containers for ease of handling. Also available in 55 gal & 165 gal drums

Active Ingredients: 25% polyacrylamide / sodium acrylate copolymer; 10% Humectants
Inert Ingredients: 65%

PRECAUTIONS: **PAM 25™** exhibits a very low degree of toxicity. Few precautions are necessary when handling. Wash with soap and water after contact. Prolonged repeated skin contact may cause irritation or dry skin. Eye contact will cause irritation. Keep out of reach of children.

Storage & Handling: **PAM 25™** is stable for more than five years when stored below 110 degrees F Under cool, dry conditions.

SPILL CLEANUP: spills should be collected without the use of water due to resulting slippery conditions. Thoroughly collect spilled material and flush residuals to the drain with water for normal biological waste water treatment.

EXCLUSIVELY PRODUCED AND DISTRIBUTED BY:

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