



enventives

PRODUCT DATA SHEET

VEN-SET 950™

RECOMMENDATIONS

Ven-Set 950™ is a simple, spray-based approach for controlling dust. Ven-Set 950™ is a concentrated product and should be diluted with water before use. Dilution ranges from 1:4 (Ven-Set 950™:Water) to 1:20 (Ven-Set 950™:Water) are typical. Dilutions in the range of 1:4 to 1:8 are most commonly used.

Fresh water with minimum hardness should be used for dilution purposes. Some precipitation of product can occur in extremely hard water.

Generally, multiple spray applications are more effective than a single pass. In this type application the spray is applied at half the application, but two passes are made. Dry spots are treated as observed. Heavy sprays, as opposed to fine sprays, generally results in the over use or waste of product. Initial applications should be relatively heavy in order to make sure the dust is suppressed. Subsequent applications should result in reduced usage as concentration build up of the product occurs and experience is gained in application requirements.

Ven-Set 950™ is recommended for stabilizing soils used as the base in road building construction. Ven-Set 950™ is a liquid soil stabilizer designed to harden and seal the subsurface of road beds. It has several distinct environmental and safety advantages over the sulfuric acid, cement and lime processes commonly used to stabilize road-building soils. Ven-Set 950™ can assist in preventing the need for constant repair and maintenance work caused by a poor soil base.

BENEFITS

Ven-Set 950™ is a completely environmentally safe product. It is non-toxic, non-corrosive, non-flammable and non-allergenic.

Ven-Set 950™ is easy to use. The water-soluble concentrate is diluted on site with the proper amount of water and applied with a conventional water truck.

GENERAL INFORMATION

Ven-Set 950™ is designed to consolidate, stabilize and assist in compacting soils. Compaction and soil stabilization are important in many areas but is essential in preparing the base soil in road beds. Ven-Set 950™ is a proprietary product formulated around highly reactive, inorganic and organic polymers containing dispersants, surface active agents and other synergists. Ven-Set 950™ gels, crosslinks, polymerizes and hardens in the presence of many of the materials commonly found in soil. The proprietary compounds in Ven-Set 950™ are designed to react with many of the inorganic and organic components in soil such as limestone, iron ores, caliche, clays, gumbos, sandstone, cement, etc.

Ven-Set 950™ is recommended for any area of soil stabilization where it is desirable to reduce permeability to water, improve load-bearing capacity, and to reduce soil plasticity. Embankments, levees, ponds, and temporary load bearing areas are other potential areas requiring soil stabilization. Although the Ven-Set 950™ binding process involves a relatively complex set of chemical steps and reactions, it is simple to apply under field conditions. Ven-Set 950™ is a highly effective dust and wind erosion control agent. The binding agents in Ven-Set 950™ form strong, cohesive films between dust particles. These binding capabilities bind and agglomerate potential dust particles into larger size particles that are less susceptible to dust formation.

Ordinarily, it is not necessary to prepare the ground prior to initiating a dust control program. However, it is helpful in some instances to loosen the surface soil sufficiently to allow the Ven-Set 950™ product and dilution water to readily penetrate the surface. In other instances, the ground should be level enough so that puddles of the dust control treatment doesn't form and waste the material. Planning a good spray pattern is essential. The outside border of large areas should be sprayed first. This will define the area to be covered. In deep, dusty areas, the spray bar should be adjusted close to the ground. This will prevent over use of product and waste.

Some of the Ven-Set 950™ products will have a tendency to foam during dilution. This is because of surface-active agents used in the formulations to promote wetting of soil particle surfaces. Any additions of one liquid to another should be made below the surface of the fluid in order to avoid air entrapment and foaming. Any Ven-Set 950™ product sprayed on vegetation, buildings, equipment or personnel should be washed off immediately with fresh water. Equipment should be flushed and cleaned thoroughly with fresh water prior to storage.

TYPICAL CONCENTRATION

Appearance	: Dark, slightly viscous liquid
Density, lb/gal	: 9.5 - 10.5
pH	: 11 - 12
Solubility	: Completely Soluble in Water, Insoluble in Oil
Freeze Temperature	: Less than 30°F; Not affected by freeze/thaw cycling

PACKAGING

Ven-Set 950™ is packaged in 55 gallon drums. It is also available in various sizes of bulk containers as well as in bulk tank-truck quantities.

PRECAUTIONS

Ven-Set 950™ is an environmentally safe, non-hazardous product. See Safety Data Sheet for specific information concerning storage, handling, transportation, disposal and safety requirements.