



# TECHNICAL DATA SHEET

## **SweetAir-H2S™**

### HYDROGEN SULFIDE ODOR CONTROL

**General Description** – **SweetAir-H2S** is a unique, organic-based solid media composed of a mixture of inorganic odor reactants. This non-hazardous product is made of 99% natural and re-cycled products to help protect our environment while providing the best odor control available. Hydrogen sulfide is safely and irreversibly reacted away by special iron oxide compounds (this is not rust-impregnated wood chips). This media thrives on the wet, humid environments commonly encountered in odor control operations as well as dry locations. The unique easy-to-handle, high capacity, lightweight and very low pressure-drop media was specially developed for sewer-type odor control in Odor Guard® manhole insert odor control units. The media has also proven to be the most cost-effective H2S elimination media for other odor control applications. The media is capable of removing H2S in concentrations as high as 5,000 ppm down to almost any desired outlet level, with loading capacities to **70% by weight**, depending on system design.

When used in the standard 3 cubic foot media basket Odor Guard system, the unit is capable of removal of 99% of up to 5,000 ppm H2S at 35 cfm on new media with a pressure drop of 1-inch W.C. This performance capability of H2S removal combined with low pressure-drop is unique to the Odor Guard system utilizing this media. Life of the media is difficult to accurately predict without knowing gas flow rates and H2S levels. Most Odor Guard manhole installations experience media life of a year or more.

**Application** - The media is used as part of the Odor Guard® system designed for the operating conditions common to wet and dry manhole conditions. The Odor Guard media basket is filled to the top edge of the media basket. Inspect the installation after about a month to see if additional media is needed due to settling caused by street vibrations. Some condensation of moisture or wetting of the media during its life is not harmful. Four pails of Odor Removal Media are supplied with a standard 3 cubic foot Odor Guard unit. A quantity of the 4<sup>th</sup> pail remains after filling to be used later.

**Storage and Handling** - This media can be stored in unopened pails for a year or more. Being DOT non-hazardous, no special storage or inventory is necessary. This unique media has a consistent and low pressure-drop without any special filling or handling. The lid should be replaced on opened containers for storage and use later. See MSDS for more information.

### **Typical Physical Properties of the Odor Control Media**

Density ..... approximately 24-28 pounds per cubic foot

Appearance .... red and black chunky fibrous media

Odor ..... pleasant organic odor

Shipping ..... DOT Non-Hazardous

H2S Capacity.... 20 lbs H2S per cu. ft. media

**H2S Capacity .... >70% (wt/wt)**

Packaging..... 30 lb. plastic pails (net weight 27 lbs). Also available in 160-lb fiber drums and 1,000-lb super sacks.

**For product information and a free design of an Odor Guard system contact us at:**

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