TECHNICAL DATA SHEET

SweetGas-OM™

HYDROGEN SULFIDE ODOR CONTROL

General Description – SweetGas-OM is a unique, organic-based solid media impregnated with 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 municipal odor control operations. The unique easy-to-handle, high capacity, lightweight and very low pressure-drop media was specially developed for odor control in passive odor control systems that rely on natural ventilation for foul air transfer. The media has also proven to be the most cost-effective H2S elimination media for other odor control applications and also for anaerobic applications such as digester gas and landfill gas hydrogen sulfide removal. The media is capable of removing H_2S 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.

Application - The SweetGas-OM media can be used as a "stand-alone" media for H2S control or used in conjunction with other inorganic and organic media to provide total odor control for all of the malodorous compounds typically found in municipal odor control applications. Most designs provide at least one year of service life between media changeouts. Systems can be designed in either down-flow or up-flow configuration, depending on the process conditions or site constraints. Secondary beds of activated carbon or other odor removing media can be either incorporated in the same vessel as the iron-oxide media or configured as a separate treatment stage.

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 handling 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
H_2S Capacity… 22.5 lbs H2S per cu. ft. media
Packaging…..... 30 lb. plastic pails (net weight 27 lbs). Also available in 160-lb fiber drums and 1,000-lb super sacks.

For more product application information and a free system design contact us at:

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