

SULFURTRAP*

HIGH PERFORMANCE HYDROGEN SULFIDE (H₂S) SCAVENGER

Manufacturer

Chemical Products Industries, Inc.
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Product Description

SULFURTRAP is a non-hazardous, solid material used for the removal of hydrogen sulfide (H₂S) and light mercaptans from gas and liquid hydrocarbon streams in batch processing applications. SULFURTRAP is an economical and predictable fixed bed process that eliminates foaming and carryover associated with liquid scavenger systems. Consistent pressure-drop, excellent sulfur loading capacity, operation over a wide range of conditions and the ease of loading and unloading are just a few key advantages of the process.

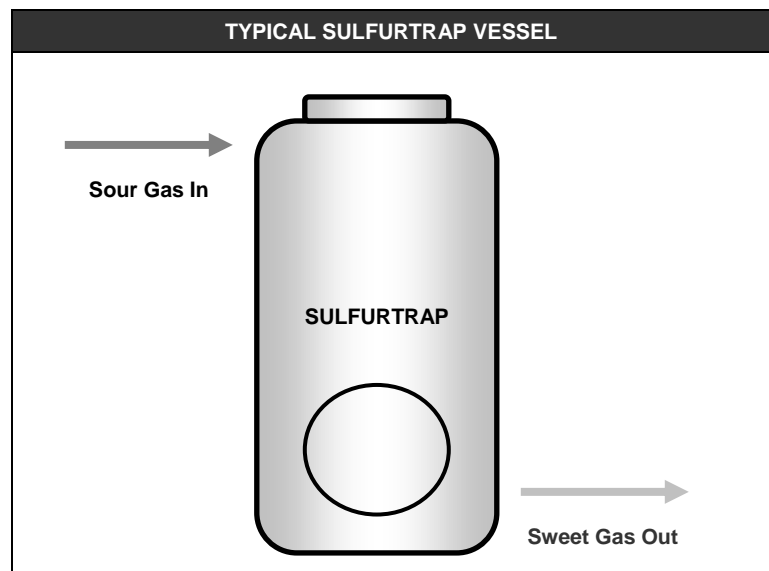
Physical Properties

Appearance/Odor.....Bead, odorless
H₂S Removal Capacity.....12% by weight
Particle Size.....4x16 mesh
Density.....75 lbs./ft.³

Process

In typical configurations, SULFURTRAP is loaded into a single vertical vessel, a lead-lag vessel configuration or a parallel vessel configuration where the gas or vapor flows through the vessel. The sulfur compounds in the gas or vapor chemically react with SULFURTRAP to form a safe and stable byproduct. Depletion of the scavenger is dependent only upon the concentration of hydrogen sulfide and flow rate through the bed. A small inlet filter or separator is recommended to remove excess liquids just upstream of the SULFURTRAP bed. Water injection is not necessary.

Proprietary process simulation ensures SULFURTRAP fits the desired application.



Applications

- Natural Gas
- Natural Gas Liquids
- Acid Gas Streams
- Syngas
- Anaerobic Gas
- Geothermal Gas

Advantages

- Environmentally non-hazardous
- Solid bead material, prevents foaming/carryover
- Consistent pressure drop
- Excellent sulfur removal capacity
- Operates over a wide range of conditions
- Does not require water injection
- Does not agglomerate or cake
- Ease of loading and unloading

Toxicity and Handling

SULFURTRAP is environmentally non-hazardous. Follow all federal, state and local regulations for disposal and handling. For complete toxicity and handling information please consult the MSDS for this product.

Technical Service

Technical service engineers and chemists are available to answer questions regarding product application, process conditions and vessel configuration/design.

Packaging and Distribution

SULFURTRAP is available in 50-lb pails as well as 2,000-lb bulk bags.

Please contact Chemical Products Industries, Inc. for availability and pricing.

www.chemicalproductsokc.com

