

SULFURTRAP®

HIGH PERFORMANCE HYDROGEN SULFIDE (H₂S) SCAVENGER/ADSORBENT

MANUFACTURER

Chemical Products Industries, Inc.
7649 SW 34th St., Oklahoma City, Ok 73179
(800) 624-4356 (405) 745-2070

PRODUCT DESCRIPTION

SULFURTRAP® is a non-hazardous, solid adsorbent 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. Excellent sulfur loading capacity, minimal replacement time (free flowing) and reliable operation sets SULFURTRAP® apart from other H₂S removal technologies.

PHYSICAL PROPERTIES

Appearance/Odor.....Bead, odorless

H₂S Removal Capacity.....Capable of > 35% by weight

Particle Size.....4x16 mesh

Density.....70 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 gas or vapor flows through the vessel. The sulfur compounds chemically react with SULFURTRAP® to form a safe, stable and in most cases non-hazardous 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. Works in dry or water saturated, aerobic or non-aerobic environments. Proprietary process & equipment simulation ensures SULFURTRAP® fits the desired application.

APPLICATIONS

- Natural Gas
- Natural Gas Liquids
- Acid Gas (CO₂)
- Syngas
- Landfill Gas
- Geothermal Gas
- Tank Vent Gas

ADVANTAGES

- High sulfur removal capacity
- Easily achieves outlet spec, <1ppm
- Minimal replacement time/free flowing
- Consistent pressure drop
- No caking/clumping
- Works in dry or water saturated conditions
- Effective over a wide range of conditions
- Environmentally non-hazardous

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, 500-lb drums and 2,000-lb bulk bags. Please contact Chemical Products Industries, Inc. for availability and pricing.



www.chemicalproductsokc.com