

# SULFATREAT SELECT HP



*SULFATREAT\* SELECT HP is a high-capacity, fast-reacting mixed-metal-oxide absorbent with enhanced macro-porosity for improved activity. This allows for smaller vessels and smaller product volumes in a given process application, providing flexibility in system design. SULFATREAT SELECT HP is an extruded product suitable for the removal of hydrogen sulfide, low-molecular-weight mercaptans and disulfides from gaseous hydrocarbons at low temperature. Desulfurization is achieved by reaction with mixed-metal oxides forming a stable metal sulfide.*

## **Typical Physical Properties**

Nominal size .....	3 mm diameter x 6 mm length
Form .....	Extrudates
Composition.....	Proprietary
Packing density, lb/ft <sup>3</sup> (kg/L).....	53.1 to 59.3 (0.85 to 0.95)
Surface area .....	>40 m <sup>2</sup> /g

## **Applications**

- Reliable, predictable performance
- Operating flexibility
- Cost-effective sulfur removal
- Low pressure drop
- Impurity removal to low levels
- Simple vessel changeouts
- Straightforward disposal of spent media

## **Packaging**

SULFATREAT SELECT HP can be supplied in both imperial and metric sizes; 1,000/2,000-lb or 0.5/1.0-m<sup>3</sup> bulk bags.



## *Handling and Disposal*

SULFATREAT SELECT HP is a mixed-metal-oxide absorbent. Such materials can be handled safely provided that proper safety procedures, such as permit-to-work systems, and risk assessments, such as a Job Safety Analysis, chemical-handling assessments, lifting studies and applicable disposal regulations, are followed. It is recommended that an experienced contractor be engaged for product loading and discharge.

Desulfurization is achieved by reaction with mixed-metal oxides, forming a stable metal sulfide. The spent absorbent can be easily and safely recycled through the metals-recovery industry; the recycling routes are well established. SULFATREAT can facilitate the provision of product-disposal services if this is required.

## *About SULFATREAT*

For over a decade, SULFATREAT has specialized in the removal of hydrogen sulfide from gas streams and liquids and today is an acknowledged industry leader. SULFATREAT processes are based on fixed-bed technology: simple, reliable and well-proven. Each SULFATREAT system is designed to address a specific set of process conditions, ensuring an optimized solution for the customer. Predictable performance results in media changeouts that can be planned in accordance with business requirements.



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