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CLAUS SULFUR RECOVERY CATALYSTS

Sulfur conversion catalyst used in natural gas plants, refineries and smelters having Claus process plants and other types of sulfur recovery plants.	S-201	1/2"x1/4" (6.4 mm x 12.7 mm) 3x6 mesh (6.7 mm x 3.3 mm) 5x8 mesh (4.0 mm x 2.4 mm)
New generation catalyst for Claus units in natural gas processing plants, oil refineries, coke plants, and sub-dewpoint tail gas units such as MCRC, CBA or Sulfreen. It provides exceptional conversions of H ₂ S/SO ₂ , COS and CS ₂ due to its high macroporosity, high surface area, and thermal stability without sacrificing physical properties.	S-2001 ESM-221	1/2"x1/4" (6.4 mm x 12.7 mm) 3x6 mesh (6.7 mm x 3.3 mm) 5x8 mesh (4.0 mm x 2.4 mm)
Sulfation resistant sulfur recovery catalyst used in natural gas plants, refineries, and smelters having Claus process plants and other sulfur recovery plants. Also, used in first reactors for improved COS/CS ₂ conversion.	S-501 ESM-251	1/2"x1/4" (6.4 mm x 12.7 mm) 3x6 mesh (6.7 mm x 3.3 mm) 5x8 mesh (4.0 mm x 2.4 mm)
Promoted activated alumina that is used to scavenge oxygen in Claus reactors employing alumina catalyst. It is used as a top layer in Claus catalyst beds to protect the alumina catalyst bed beneath it from poisoning by sulfation due to oxygen breakthrough.	S-601 ESM-261	3x6 mesh (6.7 mm x 3.3 mm)
Specialty titania sulfur recovery catalyst for Claus units in natural gas processing plants, oil refineries, and coke plants. S-7001 is particularly suited for use in the first converter for the high conversion of COS and CS ₂ . This extra high COS/CS ₂ conversion is especially important for Claus plants that employ tailgas treating units that may not completely convert COS and CS ₂ , such as selective-oxidation units and sub-dewpoint systems.	S-7001 ESM-271	Tablets with a 5 mm diameter
Top and bottom support in Claus catalyst beds and adsorption beds. The use of activated alumina support allows for a cost savings compared to the use of inert support due to the lower bulk density of the activated alumina, and the activated alumina support provides some Claus catalytic activity or adsorption capacity.	CBS	1/2" nominal (15.9x9.5 mm)