Description

Enhancing SRU performance is easy with **Maxcel 777**. This high quality titania catalyst causes the Claus reaction to proceed to equilibrium while also achieving nearly complete hydrolysis of COS and CS_2 , maintaining low tail gas sulfur content and high conversion efficiency. **Maxcel 777** resists both sulfation poisoning and hydrothermal aging, allowing for longer service life while maintaining high activity.

Advantages

- Maximize conversion efficiency
- Save reheat energy
- Increase life cycle length

Performance

- Reduce emissions by achieving higher COS and CS₂ conversion in Claus reactors compared with alumina Claus catalyst
- Save energy by operating Claus reactors at lower temperatures without sacrificing conversion of COS or CS₂
- Extend catalyst life in Claus reactors with increased resistance to sulfation, especially in units with fired reheaters
- Reduce sulfur load on amine-based tail gas treating unit hydrogenation reactors
- Ideal for use in Claus units with sub-dew point or direct oxidation tail gas treating

COS & CS₂ Conversion over Maxcel 777 (SV 1000 h⁻¹)





Evonik offers a comprehensive range of high quality and high performance Claus catalysts

Disclaimer

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