

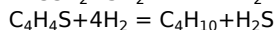
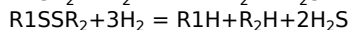
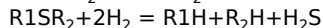
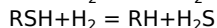
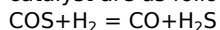
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## [Hydrotreating Catalyst](#)

### Hydrotreating Catalyst

Our COG-HS-1 coke oven gas hydrodesulfurization catalyst is applicable to the hydrodesulfurization of organic sulfur in coke oven off-gas which contains less than 10% CO and about 5% olefins. The iron-molybdenum (Mo) catalyst is shaped like a  $\Phi 6$ mm cylinder.

Main reactions involved in the hydrodesulfurization process in the presence of the coke oven gas hydrodesulfurization catalyst are as follows.



#### Physical Properties

Appearance	Pale-brown cylinders
Particle Size (mm)	$\Phi 6 \times 4-6$
Bulk Density (kg/L)	0.9-1.2
Side Crushing Strength(average) (N/cm)	Min.150
Attrition Loss (%)	Max. 5
Chemical Composition	Mo-Fe-Auxiliary- $\text{Al}_2\text{O}_3$

#### Operation Conditions

Feed: Coke oven off-gas containing 100-250mg/ $\text{Nm}^3$  organic sulfur, 10 percent of CO and about 5 percent of olefins.

Pressure (MPa)	atmospheric to 2.0
Temperature ( $^{\circ}\text{C}$ )	380-420
GHSV ( $\text{h}^{-1}$ )	500-1000
$\text{H}_2\text{S}$ in Feed Gas (ppm)	Min.100
$\text{NH}_3$ in Feed Gas (ppm)	Max.100

Packing: Shrink wrap the coke oven gas hydrodesulfurization catalyst in 200L steel drums lined with plastic bags, with 3 or 4 drums per pallet.

As a leading coke oven gas hydrodesulfurization catalyst manufacturer located in China, Chempack provides a vast array of chemical products, including arsenic removal, oxygen removal, carbon monoxide removal, adsorbent, and related products. As a result of our consistent dedication to product quality and customer satisfaction since 1970, our company has received the ISO9001:2000 certification and our products, are well received in many countries and regions, such as Germany, Britain, Kuwait, Saudi Arabia, Iran, Jordan, and New Zealand, to name a few. If you have any inquiries about our products or services, please contact us for more information. We at Chempack are ready to serve you.

## FEED BACK FORM

E-mail:

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Product Name:

Your Name:

Company:

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