

---

## [Cu-Ni Desulfurization Catalyst](#)

### **Cu-Ni Desulfurization Catalyst**

Cu-Ni desulfurization catalyst T-SR-1 is a copper and nickel based sulfur protective agent that is suitable for removing arsenic and chlorine, and other impurities. Form: tablets, 6x4mm

#### **Characteristics**

1. High strength, hard powder and easy operation have made our Cu-Ni desulfurization catalyst the ideal protective agent of precious metal catalyst.
2. It can not only remove hydrogen sulfide and other inorganic sulfur, but also organic sulfur.
3. High depuration: under the process condition of 200°C, 0.7-0.8MPa, 6-8h-1, the sulfur content can be reduced to less than 0.2 ppm from 5 ppm, the sulfur content can be reduced to less than 0.5ppm if sulfur content of raw materials is 100ppm.

#### **Physical Properties of Cu-Ni Desulfurization Catalyst**

Appearance	Gray and black tablet
Size, mm	Φ6.0×4.0
Bulk density, kg/L	1.2-1.5
Copper oxide, wt%	Min.30
Nickel oxide, wt%	Min.10
Radial crushing strength, N/cm	Min.180
Reduced radial crushing strength, N/cm	Min.100
Surface area, m <sup>2</sup> /g	Min.70
Breakthrough sulfur capacity, %	Min.8.0

#### **Operation Condition**

Pressure, MPa	ambient to 1.5 (normal: 0.7-0.8)
Temperature, °C	80-220 (normal: 8-200)
GHSV, h <sup>-1</sup>	100-1000
LHSV, h <sup>-1</sup>	0.5-10.0 (normal: 5-8)
Sulfur in feed stream(mainly H <sub>2</sub> S), ppm	100
Arsenide in raw material, ppb	100
Chloride in raw material, ppm	100
Sulfur outlet, ppm	Max.0.5
Arsenide outlet, ppb	Max.1.0
Chloride outlet, ppm	Max.0.5

Packing: Net 200L steel drums with plastic lined 4 or 3 drums per pallet and shrink wrapped.

We at Chempack are a Cu-Ni desulfurization catalyst manufacturer with decades of experience. To suit each customer's needs, we offer a vast array of products, including isomerization catalyst, hydrotreating catalyst, metal random packing, and more. As a result of our continued focus on product quality, our catalyst products are high quality, and we are also ISO9001:2000 certified. In addition, our location in Jiangxi province, near Guangdong and Fujian provinces, provides us with easy access to convenient transportation, in addition to abundant labor and material suppliers, which greatly lowers our production costs, contributing to our low prices.

Please contact us for further information. We welcome customers from home and abroad to try our products.

## **FEED BACK FORM**

E-mail:

Message:

Product Name:

---

Your Name:

Company:

FAX / TEL:

MSN/SKYPE

Address: