

Cu-0226 S

Copper Oxide Impregnated Spheres

BASF Cu-0226 S is a highly dispersed copper oxide impregnated on a high surface alumina used primarily for removing traces of O₂ in inert gases like nitrogen.

BASF Cu-0226 S is available in spheres with a nominal diameter of 8x14 mesh (1.2 – 2.4 mm) or 14x28 mesh (0.6- 1.2 mm)

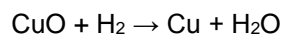
Cu-0226 S has originally been developed by Dow and has also been referred to as Q5.

Product Applications

1. Removal by chemisorption of O₂ from inert gases at ambient temperatures e.g. when used in glove boxes.
2. Catalytic removal of O₂ from gases at temperatures beyond 100°C/210 F
3. Removal of H₂S, COS and halides from gases.

Pre-Treatment

Before use as oxygen scavenger, the copper oxide needs to be reduced according to the following reaction:



This activation step is generally carried out by heating to 200°C/400 F with a flow of inert gas (typically a nitrogen stream) containing 2 - 4 vol. % H₂, depending on the size of the vessel and the respective heat losses.

When used for the removal of H₂S, COS and halides, a drying step with an inert gas at temperatures up to 200°C is recommended.

Typical Properties

Chemical

CuO	Approx 10%
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Alumina and Promoters	Balance
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Physical

Surface Area	Approx 200 m ² /g
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Packed ABD	Approx 0.85 kg/L
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Packaging (Typical)

- 100 lb drum

Shipping Point

- Elyria, Ohio, USA

About Us

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