

# Sulfuric Acid Catalyst

## O4-115 SS11x4 / SR10x5 / Quattro

### Application

For the catalytic oxidation of SO<sub>2</sub> in the production of sulfuric acid. Because of its excellent low temperature activity, catalyst O4-115 may be installed as an ignition layer or full bed application.

### Composition

Vanadium oxides, alkali sulphates and cesium promoted on a special carrier.

### Form

- Star Rings of 11x4 mm ODxID (SS11x4)
- Extrudate Rings of 10x5 mm ODxID (SR10x5)
- Quattro of 13x3.2mm ODxID

### Ignition temperature (theoretical)

min. 340°C (min. 644°F)  
(depending on gas composition)

### Operating temperature

#### SS and SR shape:

380-630°C (716-1165°F)  
(depending on gas composition)

#### Quattro shape:

375-630°C (707-1165°F)  
(depending on gas composition)

### Thermal stability

Stable at continuous operation up to 630°C (1165°F).

### Packaging

- Non-returnable containers
- 200 l corrugated steel drum
  - 1000 l bulk bag

Bulk Density	SS11x4	SR10x5	Quattro
approx. kg/l	0.45	0.50	0.45
approx. lb/l	1.00	1.10	1.00

Knife Edge Hardness	SS11x4	SR10x5	Quattro
approx. kg	7.0	7.0	10.0
approx. lb	15.0	15.0	22.1

### Safety Data Sheets (SDS)

A safety data sheet covering the necessary information is available on request.

### Storage

Catalyst should be stored in its original container in a covered and dry area, protected from access by humidity and moisture.

### Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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