

Sulfuric Acid Catalyst

O4-115 SS11x4 / Quattro

Application

For the catalytic oxidation of SO₂ 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)
- Quattro of 13x3.2mm ODxID

Color

Non uniform, gold to green; some discoloration will occur with exposure to ambient humidity

Ignition temperature (theoretical)

SS shape: min. 340°C (min. 644°F)

Quattro shape: min. 330°C (min. 626°F)
(depending on gas composition)

Operating temperature

SS 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). (short term peak conditions up to 650°C / 1202°F)

Properties Star Ring (SS11x4)

Bulk density	0.45 (approx. kg/l) 1.00 (approx. lb/l)
Knife Edge Hardness	7.0 (min. kg) 15.0 (min. lb)

Properties Quattro

Bulk density	0.45 (approx. kg/l) 1.00 (approx. lb/l)
Knife Edge Hardness	10.0 (min. kg) 22.1 (min. lb)

These properties and composition are approximate values only and actual values as measured may have some percentage of material fall outside these values.

Packaging

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

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.

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Note

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