

Sulfuric Acid Catalyst

O4-116 SS11x4 / Quattro

Application

For the catalytic oxidation of SO₂ in the production of sulfuric acid. Preferably installed in the last bed.

Composition

Vanadium oxides, alkali sulphates and cesium on porous silica carrier with special promoters.

Form

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

Color

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

Ignition temperature (theoretical)

SS Shape: min. 330°C (min. 626°F)
(depending on gas composition)

Quattro Shape: min. 320°C (min. 608°F)
(depending on gas composition)

Operating temperature

SS shape: 380-600°C (716-1112°F)
(depending on gas composition)

Quattro shape: 365-600°C (689-1112°F)
(depending on gas composition)

Thermal stability

Stable at continuous operation up to 600°C (1112°F) (short term peak conditions up to 630°C / 1166°F)

Properties Star Ring (SS11x4)

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

Properties Quattro

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

Storage

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

Safety Data Sheets (SDS)

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

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