

Sulfuric Acid Catalyst

O4-111 SS11x4 / SR10x5 / Quattro

Application

For the catalytic oxidation of SO₂ in the production of sulfuric acid. Preferably installed in the second, third and fourth bed.

Composition

Vanadium pentoxide and alkali sulphates on porous silica carrier with special promoters.

Form

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

Ignition temperature (theoretical)

min. 360°C (min. 662°F)
(depending on gas composition)

Operating temperature

SS and SR shape
410-600°C (770-1110°F)
(depending on gas composition)

Quattro shape

400-600°C (752-1120°F)
(depending on gas composition)

Thermal stability

Stable at continuous operation up to 600°C (1110°F) (short term peak conditions up to 630°C / 1156°F)

Packaging

Non-returnable containers

- 200 l corrugated steel drum
- 1000 l bulk bag

Thermal stability

| | |
|---|--|
| Stable at continuous operation up to 600°C (1110°F) (short term peak conditions up to 630°C / 1156°F) | 0.46 (approx. kg/l) 1.01 (approx. lb/l) |
|---|--|

Properties SS11x4

| | |
|----------------------------|--|
| Bulk density | 0.45 (approx. kg/l) 0.99 (approx. lb/l) |
| Knife Edge Hardness | 7.0 (min. kg) 15.0 (min. lb) |

Properties Quattro

| | |
|----------------------------|--|
| Bulk density | 0.45 (approx. kg/l) 0.99 (approx. lb/l) |
| Knife Edge Hardness | 10.0 (min. kg) 22.1 (min. lb) |

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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