

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 first 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

Properties SR10x5

Bulk density	0.46 (approx. kg/l)
	1.01 (approx. lb/l)
Knife Edge	7.0 (min. kg)
Hardness	15.0 (min. lb)

Properties SS11x4

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

Properties Quattro

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

Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect

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