

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 mm ODxID

Ignition temperature (theoretical)

min. 350°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 (752-1110°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

Storage

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

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 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 Quattro

Bulk density	0.45 (approx. kg/l)
	0.99 (approx. lb/l)
Knife Edge	10 (min. kg)
Hardness	22 (min. lb)

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 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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