

## **Product Data Sheet**

# **Sulfuric Acid Catalyst**

# O4-110 SS11x4 / SR10x5 / SR 18x7 / Quattro

## **Application**

For the catalytic oxidation of SO<sub>2</sub> 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 Rings of 18x7 mm ODxID (SR18x7)
Extrudate Quattro of 13x3.2 mm ODxID Other shapes available on request.

## **Ignition temperature (theoretical)**

min. 380°C (min. 716°F) (depending on gas composition)

#### **Operating temperature**

#### SS and SR shape:

420-630°C (788-1165°F) (depending on gas composition) **Quattro shape:** 

410-630°C (770-1165°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)

## **Packaging**

Non-returnable containers

- 200 I corrugated steel drum
- 1000 I 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)

Properties SR18x7	
Bulk density	0.50 (approx. kg/l) 1.10 (approx. lb/l)
Knife Edge	15.0 (min. kg)
Hardness	33 (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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