

Product Information

Octolyst® 2009

Copper on silica fixed bed catalyst

PRODUCT DESCRIPTION

Octolyst® 2009 is a copper silica catalyst for fixed bed applications in the gas and liquid phase.

Typical Properties

| Property | Unit | Value |
|---|-------------------------------------|---------|
| BET Surface Area | m ² /g | 200-210 |
| Bulk Density | kg/m ³ | 560-640 |
| * The exact bulk density depends on the technology which is used to fill the reactor. | | |
| Chemical Name | Copper on Silica Fixed Bed Catalyst | |
| Particle Diameter | mm | 2.8 |
| Pore Volume | ml/g | 0.7-0.9 |
| Product Form | Extrudate | |

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

- hydrogenation of aldehydes
- dehydrogenation of alcohols

Product Composition

| Product Composition | Unit | Value |
|--|------|-------|
| Copper (Cu) Content, max. | wt% | 40 |
| Silicon Dioxide (SiO₂) Content | wt% | 40-50 |

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- superior chemical reactivity and selectivity
- high porosity
- high surface area
- development of tailor-made catalysts in the context of an exclusive project possible

HANDLING & PROCESSING

The catalyst is delivered in an oxidized state. An activation procedure is available on request.

PACKAGING

Octolyst® 2009 is supplied in 210 litre steel drums, net weight is approx. 110 kg.

STORAGE

Drums should be stored in a dry place, not be exposed to direct sunlight and be protected from freezing

SHELF LIFE

Subject to the appropriate storage conditions, the shelf life of Octolyst® catalysts in sealed original drums is > 3 years from date of shipment.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Catalysts
Rodenbacher Chaussee 4
63457 Hanau
Germany
Phone +49 6181 59-13399
Fax +49 6181 59-2699
catalysts@evonik.com
evonik.click/catalysts