

Product Information

MONCAT® 4181

Embedded sulfided nickel on silica catalyst

PRODUCT DESCRIPTION

MONCAT™ 4181 is a sulfided activated nickel on silica catalyst embedded in hydrogenated vegetable oil, developed for the oils and fats industry.

Typical Properties

Property	Unit	Value
Activation		Pre-activated, no activation required
Appearance		Black pastils
Chemical Name		Embeded Sulfided Nickel on Silica Catalyst
Color		Black to Grey
Melting Point	°C	60
ASTM E324-23		
Product Form		Pastilles
Promoters		Sulfur
Support		Silica

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

The partial hydrogenation of triglycerides with a moderate amount of isomerization

Product Composition

Product Composition	Unit	Value
Nickel, Range	%	17-19
X-Ray fluorescence Spectroscopy		

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

This catalyst shows superior catalytic performance along with excellent filtration properties.

PACKAGING

- MONCAT™ 4181 is delivered in 175 kg steel drums with polyethylene bag liners.
- For large volumes of 650 to 750 kg super sacks are available.

STORAGE

- Drums should be kept tightly closed, protected from freezing, not exposed to direct sunlight and stored in a dry well ventilated place between 5 and 30°C (40 to 83°F).
- The catalyst is packed under nitrogen to inhibit oxidation. Therefore, once the packaging has been opened, it is recommended to use the catalyst within 2 months.

SHELF LIFE

The shelf life is up to 12 months under the standard storage conditions as specified above.

REGISTRATION LISTING SUMMARY

- Kosher Passover certified
- HALAL certified

FOOD CONTACT COMPLIANCE

MONCAT™ 4181 can be used as a processing aid for edible oils

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