

BASF Catalyst O4-89

Instructions for filling the catalyst reactor

Before filling with catalyst, the reactor and its surroundings, especially the filling ports, should be thoroughly cleaned and covered with a cloth awning. Both new and used catalyst absorbs moisture from the air. Therefore, the drums should be kept closed and opened just before filling the reactor. All inspections and pressure testing of the reactor should be completed before filling.

BASF Catalyst O4-89 has a high mechanical strength and therefore in general there is no abrasion during transport. Should, however, there be any tines or broken particles in the catalyst as may be caused by rough handling in transport, these should be screened out before filling.

The respiratory mask described in the safety data sheet as personal protective gear must be worn if dust evolution (catalyst dust) exceeding the indicated MAC value is to be expected during work. The MAC value relates to pure V₂O₅, which is present in the catalyst only in a concentration of less than 10 %.

Filling the reactor should be carried out without stopping and as quickly as possible. A funnel and tube system or a chute can be used. One should be careful that the catalyst has a free fall of less than 0.5 m.

The catalyst must be filled evenly. A good distribution over the cross section of the reactor is of the greatest importance. The surface of the catalyst bed should be carefully leveled, so that it is completely horizontal.

One should not walk on the catalyst during filling. If it should be absolutely necessary to enter inside the reactor, one should use planks in order to evenly spread the weight.

After filling, the reactor should be kept tightly sealed until it is to be brought on stream.

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, this data does 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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BASF - We create chemistry

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