BASF Catalyst R 3-1G is supplied in the oxidized form. If oxygen is to be removed from gases, the catalyst must be reduced i.e. regenerated beforehand.

BASF Catalyst R 3-11G in the reduced i.e. regenerated form is pyrophoric. Every care must be taken to ensure it is not exposed to significant amounts of oxygen. Increased catalytic reaction can cause an extreme rise in temperature.