

# TEADIT® GR1700 CASE HISTORY

# INDUSTRIAL SEGMENT

Petrochemical

## APPLICATION

**Phosphate Fertilizer** 

#### **SCENARIO**

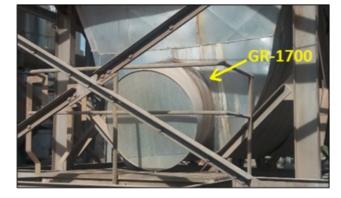
A phosphorus miner and phosphate fertilizer producer had a gasket, carbon fiber with NBR binder, that was not suitable for the application, SO<sub>2</sub>, it was being used in and ended up failing in less than a year. The gasket failing caused toxic gases to escape, leading to environmental contamination that the customer had to address through additional plant safety measures resulting in high maintenance costs.





## SOLUTION

Teadit was brought in to assist the customer in their analysis of the application. Teadit was able to recommend our GR1700 as a solution due to the material's suitability for contact with SO<sub>2</sub>, as well as being able to withstand high temperatures.



#### **CUSTOMER GAINS**

Teadit's GR1700 gasket material solution saved the customer over \$12,000 in material cost and 548 tons of sulfuric acid material loss. There were no more leaks, meaning no more environmental penalties for escaped SO<sub>2</sub> gas. This resulted in the customer gaining more savings by no longer needing the additional plant safety measures that were initially put in place.