Challenging environments are present in the production of fertilizers and intermediates like ammonia and nitric acid:

Sealing Materials: Gaskets

A HIDDEN OPPORTUNITY IN NITROGEN FERTILIZER APPLICATIONS

For over 823 nitrogen fertilizer plants globally, the smallest equipment could make a surprising difference. Often overlooked, sealing materials – specifically gaskets – can have a huge impact on plant operations, from reducing shutdowns to increasing safety and productivity.

Choosing the wrong sealing material and gaskets can cause leaks and lead to:

- Oxidation
- Mass loss
- Stress loss
- Leakage

25% lost production
4% direct maintenance
1% gaskets
70% gauze

During Ammonia synthesis, pressures of up to 200 bar (2900 psi) place demands on piping components and gaskets.

The impact of extending the time between shutdowns is significant:

- Shutdowns eliminated over three years
- Total cost saving over three years

Maximising gauze campaigns without interruption is key to creating cost savings.

Find out more about the hidden opportunity of gaskets and how to select the best sealing material to support the safety and efficiency of your plant.

www.thermiculite.com/fertilizer

Let the length of your gauze campaign determine the frequency of your shutdowns not the inefficiency of your burner gaskets.