Hydrogen sulfide (H\(_2\)S) causes numerous challenges in oil and gas production systems. It significantly increases levels of fouling and corrosion as well as health, safety, and environment (HSE) risks. Producers that face these challenges implement scavenger programs to effectively remove the H\(_2\)S from produced gas to meet regulations, reduce corrosion, and improve oil and gas quality. Most scavenger programs use triazine-based chemistries, which have historically performed very well at removing the required H\(_2\)S. However, in certain applications, triazine-based formulations can cause additional problems, including:

- Solid accumulation in towers and flowlines causing frequent, costly cleanouts
- Scaling and plugging of disposal wells due to high pH levels of spent scavenger
- Corrosion caused by amines that are carried over in the refinery when the treated gas is reused for gas lift

Now you can eliminate the triazine and the problems that come with it. Baker Hughes, a GE company (BHGE), introduces the latest advancement in our scavenger portfolio, the PETROSWEET™ HSW799 non-triazine H\(_2\)S scavenger. This technology provides effective H\(_2\)S removal without the negative side effects that occur when using triazine-based formulations.

Applied via direct injection in the tower or flowlines, the fast-reaction kinetics of the PETROSWEET HSW799 scavenger can effectively remove H\(_2\)S to from the gas phase with a new, non-triazine based solution. Now all of the problems associated with the traditional treatments can be avoided while still meeting the needed H\(_2\)S specs and efficiency levels.

With the PETROSWEET HSW799 scavenger, the elimination of solid disposition reduces nonproductive time (NPT), costs, and lost production associated with tower and flowline cleanouts. In addition it provides

**Applications**
- Gas sweetening towers or direct injection into gas flow lines
- Sour oil treatment in transportation lines and rail cars
- Oil and gas transport systems

**Benefits**
- Reduces total cost of operation
- Avoids solid deposition, eliminating the NPT and costs related to tower and flowline cleanouts
- Mitigates disposal problems related to scaling caused by high pH
- Alleviates downstream corrosion concerns
a lower pH level of spent scavenger which decreases disposal costs, and no downstream impacts are felt when reused for gas lift.

For more information about how the PETROSWEET HSW799 non-triazine H₂S scavenger can meet your sour gas requirements without the negative side effects, contact your BHGE representative today or visit bhge.com.