



Technical Datasheet

Triazine

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Description

Triazine with chemical formula of $C_3H_3N_3$ is a chemical compound from class of nitrogen-containing heterocycles with a slight amine odor. Triazine is miscible with soft and hard water in all proportions. Triazine is widely used for quick removal of H_2S gas in different chemical processing systems such as oil and gas flowlines. In addition, It minimize the corrosion challenges as it acts as a corrosion inhibitor for metal compounds. Triazine is also utilized in drilling and completion fluids in oilfield. Triazine assists to protect drilling assets equipment from the corrosive effects of H_2S gas. The by-products of the reaction between Triazine and H_2S gas are water-soluble and are easily removable.

Advantages

Some of the advantages of Triazine are:

- Improving personnel safety
- Having no adverse effect on oil, gas or fuel quality
- Reducing the corrosion challenges and Maintain asset integrity in tools and pipelines
- Minimizing the requirement for equipment replacement and high cost of maintenance

Treatment

The required amount of H_2S Scavenger must be specified based on the injection environment's condition such as quantity of H_2S content, pH and other properties. Normally, 2-10 ppm of Triazine can eliminate 1 ppm of H_2S gas. Running pilot tests for optimizing suitable dosage of Triazine is highly recommended.

Typical Properties

Appearance: Amber to Brownish

Odor: Mild

Density, g/ml: 1.15±0.05

pH: 9 to 11

Solubility: Miscible in water

Flash point, PMCC1, °C: >80

Active Content (%): 80 ± 2

Storage & Handling

Gloves, protective clothing, safety goggles and face shield should be worn when handling. Avoid contact with the eyes, nose, or prolonged skin contact. Store in closed containers in a cool, well-ventilated area. Avoid overheating or freezing; When diluted, the addition of methanol may be needed to control freezing in below zero climates.