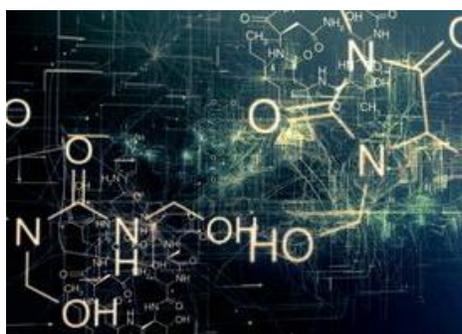


Corrosion Inhibitors

Amine units are exposed to corrosive environments daily and managing corrosion to acceptable levels is essential for unit reliability. Corrosion in process units such as amine units or TEG glycol units is often called “the hidden killer” because it can cause failure of equipment with no clear signs. Nexo Solutions has a complete line of corrosion inhibitor products to mitigate corrosion and enable the amine units and TEG units to operate properly.



There are several corrosion mechanisms in amine units. The most common mechanisms are CO₂ and H₂S induced corrosion. In some cases, the process might also experience ionic solvent corrosion when heat stable salts concentration is high. Additional corrosion pathways can also take place depending on the process conditions and the amine solvent type.

Nexo Solutions unique line of four (4) corrosion inhibitors products was developed to address the many different corrosion mechanism types and origins. Each corrosion inhibitor product is matched to the individual amine unit to effectively mitigate corrosion with minimal dosage and no foam to the process. Nexo Solutions line of corrosion inhibitors is comprised of different molecular chemical components and blends. The products are fully compatible with all of the common amine unit and TEG solvents and are thermally stable to eliminate any possible interaction with the process and equipment.

Corrosion Mode	Corrosion Inhibitor	lb/drum
CO ₂ Corrosion	CI-22	450
CO ₂ and H ₂ S Corrosion	CI-36	450
Heat Stable Salts Corrosion	CI-37	460
General Corrosion (mixed modes) and Acid Corrosion	CI-40	450

For additional information on our corrosion inhibitors, please contact support@NexoSolutions.com