

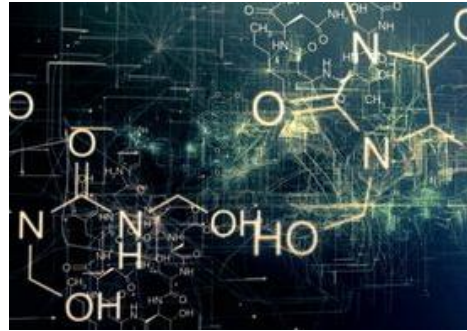


Amine Optimization

Specializing in Amine Unit Performance

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

Corrosion Inhibitors



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.

Amine Optimization Company’s unique line of four (4) corrosion inhibitor 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. The Amine Optimization Company corrosion inhibitor products are comprised of different chemical components and blends. The products are fully compatible with commercially available amine solvents and are thermally stable to eliminate any possible interaction with the process.

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)	CI-40	450

For additional information on our corrosion inhibitors, please contact Help@AmineOptimization.com