

CO2S-405

CO2 Scavenger

Performance & Application

CO2S-405 is a high strength CO2 scavenger that works with any amount of CO2 present.

CO2S-405 will react with H2S, so to get the full effect of CO2 scavenging, it is recommended that H2S be greatly reduced before CO2S-405 is used in a treatment. The presence of H2S does not inhibit CO2S-405 from working on CO2, it will just reduce its effectiveness.

CO2S-405 is compatible with fresh water and oilfield brines.

CO2S-405 will generate a few solids, but nothing on the order of other CO2 scavengers. Is formulated with a scale inhibitor to prevent the deposition of carbonate scale due to the high pH of the chemical.

CO2S-405 is formulated with a surfactant to aid in the dispersion of the scavenger, thus giving a better surface area coverage and a more efficient/effective removal of CO2.

CO2S-405's treating rate: 1 gallon of CO2S-405 removes 0.1% CO2 per MMCF of gas. It must be noted that equipment design, H2S, and certain mercaptans will influence CO2S-405's efficiency.

CO2S-405 is best used on continuous injection or batch treatments.

It is recommended to contact your Sales Rep for recommended usages and rates.

Typical Properties

Specific Gravity = 1.12 – 1.18

pH = 13.0 ± 0.5

Solubility = Water

Flash Point = 80.6° F

Appearance / Odor = Brown liquid with an amine aroma

Shipping & Handling

CO2S-405 is available in 55-gallon drums, 330-gallon totes, and in bulk. A Material Safety Data Sheet outlining proper handling of this product is available upon request.

Tech Sales & Service

For technical assistance or service requirements, please contact:

Randy Clark at (403) 816-5591.