

# HFG-626

## Safe HF Replacement

### Performance & Application

HFG-626 is a liquid safer alternative to hydrofluoric acid (HF) or HF acid generating products, such as ammonium bifluoride (ABF).

HFG-626 is typically used in conjunction with hydrochloric acid to create “mud acid”. Since HFG-626 is a liquid, there is no need to handle ABF powder to create HF and the hazards associated with mixing on location. When mixing HFG-626 with HCl, it is important to note that HFG-626 maintains its chemical structure in the HCl environment. As such, it is safe to use HFG-626 on carbonate.

Even though HFG-626 is slightly acidic, it is much less corrosive to metal than typical ABF or HF blends. When pumping HFG-626 by itself, in most cases it is not necessary to use a corrosion inhibitor.

HFG-626 is an excellent silicate scale dissolver. It may be diluted by 50% with fresh water and still achieve excellent results.

HFG-626 add-rates for mud acid depend on the situation, but 5% - 10% by weight is the typical loading range. Only the volumetric dilutive effect will reduce the concentration of the HCl. It is not recommended to mix HFG-626 with carboxylic acids (such as acetic acid or formic acid) because HFG-626 will neutralize them and render them ineffective.

**DO NOT STORE IN GLASS CONTAINERS (THIS INCLUDES FIBERGLASS)!!!!**

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

### Typical Properties

Specific Gravity = 1.12

pH = 5 – 5.5

Solubility = Water / Acid

Freeze Point = -25° F

Appearance / Odor = slight yellow tint liquid with no distinguishable odor

### Shipping & Handling

HFG-626 is available in 55 gallons drums, 330 gallon totes, and in bulk. A Material Safety Data Sheet outlining proper handling of this product is available upon request.