# FEAC-20
## Iron Control Additive
11155-003

**General Information:**

FEAC-20 is an economical, convenient premix of acetic and citric acid for preparing so-called “Fe acid” this combination both buffers spent acid and chelates iron to prevent the formation of precipitates as acid spends.

**Physical Properties:**

| | |
|---|---|
| Density | 9.3 lbs/gal. |
| Solubility in Water | Soluble |
| Solubility in Diesel | Insoluble |
| Appearance | Clear to pale liquid |
| Odor | Sharp vinegar like |
| Flash Point | >200°F |
| Freeze Point | <0°F |

**Chemical Description:**

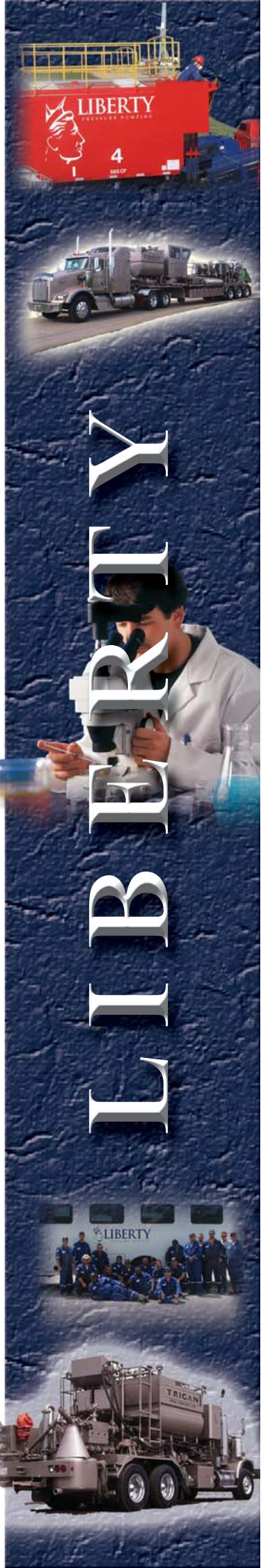
FEAC-20 is a freeze proofed, non-flammable mixture of acetic and citric acids. Each gallon of product contains the equivalent of 0.5 gallon acetic acid and 2.5 pounds citric acid.

**Recommended Uses:**

FEAC-20 is a convenient, cost-effective way to prepare “Fe acid” without needing to stock two separate iron control components. It should be used in hydrochloric acid solutions, not as a “stand-alone” acid.

**Limitations:**

FEAC-20 is corrosive to most metals, and should be stored in plastic or fiberglass drums, totes or bulk tanks with plastic or stainless steel piping and valves. FEAC-20 offers iron control only in that it helps prevent precipitation of iron compounds by buffering the pH of spent acid to fairly low values. If crude oils being contacted by acid are subject to iron-induced sludge formation, use of an iron reducing agent is suggested.



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Liberty Pressure Pumping, L.P., 1517 Centre Place Drive #320, Denton, TX 76205, 940-243-1120

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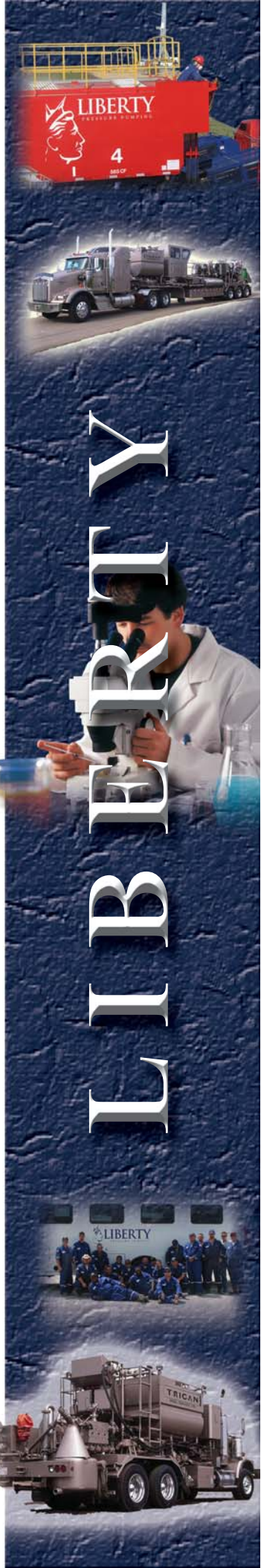
**Treating Applications:** FEAC-20 is normally loaded at from 5 to 20 gallons per thousand gallons of acid. The component ration given above gives, for example:

| FEAC Loading | Acetic Acid | Citric Acid |
|---|---|---|
| 10 gal/1000 | 5 gal | 25 lb |
| 20 gal/1000 | 10 gal | 50 lb |

**Packaging:** FEAC-20 is obtainable in 55 gallon poly drums, 330 gallon poly totes and Bulk storage

**DOT Information:** **CORROSIVE LIQUID, N.O.S., 8, UN 1760, PG II**



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