
PRODUCT DESCRIPTION

DFA-2 is a general purpose foamer that is effective in fresh water, brines, and any strength hydrochloric acid. DFA-2 is especially effective in water contaminated with hydrocarbons. Laboratory testing with DFA-2 in fluids contaminated with 4% diesel demonstrate its' ability to produce a high volume, stable foam that is characterized by small uniform bubbles. DFA-2 finds utility in air-mist drilling, stable foam drilling, foam fracturing, foamed acid and in foam cleanout of watered-out oil and gas wells.

RECOMMENDED APPLICATION

Dosage may range from 1 – 10 gal/Mgal depending on the temperature, application, foam quality, and stability desired. For most applications, 3 - 4 gal/Mgal is sufficient.

COMPATIBILITY

DFA-2 is anionic. It is compatible with nonionic or other anionic additives. Use with cationic materials should be verified by a compatibility test.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Chemical Family:	Surfactant blend
Color:	Clear
Solubility:	Water, brine, and acid
Odor:	Alcoholic
Wt. per Gal.:	8.17 lb
Charge:	Anionic
Flash Point:	88°F (31.1°C)

HANDLING/STORAGE

DFA-2 is a flammable liquid. Store away from heat, sparks and open flames. Keep drum tightly sealed to prevent evaporation, contamination, and explosion hazards. Use only with adequate ventilation. It can cause eye, skin and respiratory tract irritation by contact. Do not breathe vapors, especially in a confined area. Recommend use of chemical splash goggles and rubber gloves during handling. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

PACKAGING

DFA-2 is shipped in 55 gallon drums and 330 gallon tote tanks.