



PRODUCT DATA SHEET

ECONO-AS Anti-Sludge Acid Additive

ECONO-AS is a complete anionic acid package that prevents the formation of iron/hydrocarbon induced sludges that are created during acidizing, as well as stripping any light hydrocarbon deposits. **ECONO-AS** delivers superior break times of 30– 60 seconds upon acid/oil contact, this eliminates the chance of pore-throats being plugged by emulsions and sludge

ECONO-AS delivers superior water wetting characteristics in both carbonate and sandstone reservoirs. The result is a more efficient stimulation, with residual wetting, that enhances the performance and life of an oil or gas well and its longevity.

ECONO-AS is excellent in the penetration and breaking of existing sludges created by previous stimulations.

ECONO-AS provides excellent carrying capacity of fines and other acid insolubles with its ability to foam hydrocarbons.

Specific Gravity:	1.06
Appearance/Odor:	Amber/Alcohol to Sweet Aroma
Flash Point:	120°F
Ionic Charge:	Anionic
pH:	2.5- 3.0

ECONO-AS is recommended at a loading of 10-40 gal/1000gal, based on the severity of the damage and desired acid strength. It is also suggested that samples be taken when possible as to ensure the most optimum performance and cost effectiveness.

Please read and understand the Material Safety Data Sheet (MSDS) before using this product.

This information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer any warranty against patent infringement.



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