



PRODUCT DATA SHEET

ECONO-IRA Iron Reducing Agent

Econo-IRA is an iron reducing agent used in acidizing or low pH fluids to control solubilized iron in the presence of asphaltenes, thus reducing the risk of iron/asphaltene induced sludge.

Econo-IRA is nonionic in nature, thus making it compatible with most additives and surfactant packages used in acidizing. It is most effective in HCl Acid solutions from 2% to 24% and temperatures of less than 400 degrees F without any physical degradation to the chemical properties.

Econo-IRA is the only product that will reduce iron at temperatures of up 400°F

Specific Gravity:	1.60
Density:	13.35 lbs/gal
Appearance/Odor:	Clear to pale yellow/ Sulfurous Odor
pH:	0

Econo-IRA has a recommended loading schedule of 3-5 gal/1000gal, and is based on crude oil type and the anticipated amount of ferric iron that may be encountered during the acidizing treatment. It is recommended to test the acid and oil in combination with the iron to determine the proper loading schedule.

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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