



# PRODUCT DATA SHEET

## ECONO-CI200 ACID CORROSION INHIBITOR

### PRODUCT DESCRIPTION

**ECONO-CI200** is a low temperature corrosion inhibitor designed to give excellent protection when in contact with common oil and gas well steel conduits in acidizing applications.

### PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity:	0.837
Appearance:	Dark Liquid
Ionic Charge:	Cationic
Pour Point:	<-25°F

### PRODUCT ADVANTAGES

**ECONO-CI200** is effective in 28% HCl acid at temperatures up to 200°F and greater than 200°F in 15% HCl. Econo-CI200 is also effective in blends of acetic acid. Higher concentrations of inhibitor may be used at higher temperatures if N-80 tubulers are being used. **ECONO-CI200** also shows excellent performance and solubility in HCl based systems designed for use in industrial applications.

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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**ECONO-CI200**

**APPLICATION**

The accompanying corrosion data is for inhibitor only and does not include other products (surfactants, anti-sludge agents, non-emulsifiers, iron control agents, etc.) that may be present and cause deterioration.

**Hydrochloric (HCl) Acid Data**

Temperature (degF)	HCl Acid Strength (%)	Pressure (psi)	Type of Steel	GPT Inhibitor	Corrosion Rate (lbs/ft <sup>2</sup> ) (6 hrs)	Corrosion Rate (lbs/ft <sup>2</sup> ) (16 hrs)
100	15	Atmosphere	N-80	1	0.002	0.002
125	15	Atmosphere	N-80	1	0.002	0.004
150	15	Atmosphere	N-80	1	0.004	0.005
175	15	Atmosphere	N-80	2	0.006	0.009
200	15	Atmosphere	N-80	3	0.010	0.011
100	28	Atmosphere	N-80	1	0.003	0.008
125	28	Atmosphere	N-80	1	0.007	0.017
150	28	Atmosphere	N-80	3	0.006	0.011
175	28	3000	N-80	3	0.012	0.031
200	28	3000	N-80	6	0.022	0.476

**Acetic Acid Data**

Temperature (degF)	Acetic Acid Strength (%)	Pressure (psi)	Type of Steel	GPT Inhibitor	Corrosion Rate (lbs/ft <sup>2</sup> ) (6 hrs)
150	10	Atmosphere	L-80	0	0.050
150	10	Atmosphere	L-80	1	0.013
150	10	Atmosphere	L-80	3	0.008
150	10	Atmosphere	L-80	5	0.006
150	15	Atmosphere	L-80	0	0.050
150	15	Atmosphere	L-80	1	0.011
150	15	Atmosphere	L-80	3	0.010
150	15	Atmosphere	L-80	5	0.009



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