



PRODUCT DATA SHEET

ECONO-CIAS-303

Corrosion Inhibitor

PRODUCT DESCRIPTION

ECONO-CIAS-303 is a low to moderate temperature corrosion inhibitor designed to give excellent protection when in contact with common oil and gas well steel conduits in acidizing applications. **ECONO-CIAS-303** is a specialized corrosion inhibitor where cationic inhibitors might be detrimental and cause component incompatibilities.

PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity:	0.992
Appearance:	Dark Liquid
Ionic Charge:	Non-ionic
Odor:	Alcohol

PRODUCT ADVANTAGES

ECONO-CIAS-303 is designed to be used when high concentrations of anionic compounds are required. **ECONO-CIAS-303** is a corrosion inhibitor that can be utilized to enhance protection in visco-elastic acid gelled systems and not degrade the viscosity, and is designed for those acid systems where cationic products are not the desired chemistry for a particular crude oil, distillate, or condensate.

APPLICATION

Econo-CIAS-303 is a nonionic alcohol for use at temperatures not to exceed 200°F. It can be used at temperatures up to 250°F when intensifiers such as Copper Iodide or Formic Acid are used. **ECONO-CIAS-303** is designed with a loading range of 1-5 gallons per 1000 gallons as required.



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ECONO-CIAS-303

The accompanying corrosion data is for reference only. Certain iron reducing and surface active agents can cause deterioration.

N-80 Steel

% HCL	Inhibitor (gpt)	Intensifier/Reducer	Anti-Sludge (gpt)	Time (hrs)	Temperature (degF)	Corrosion Rate (lbs/ft2)
15	1		9	24	120	0.006
15	2		18	24	120	0.004
15	3		27	24	120	0.003
15	2		18	24	160	0.026
15	3		27	24	160	0.020
15	2.5		22.5	16	200	0.008
15	5		45	16	200	0.004
15	3.5	10# Cu Cl	31.5	6	200	0.004
15	5	10# Cu Cl	45	6	200	0.004
15	3.5	10gpt Thioglycolic	31.5	6	200	0.261
15	5	10gpt Thioglycolic	45	6	200	0.249
15	2.5	10# Cu Iodide	22.5	6	250	0.016
15	3.5	40# Cu Iodide	31.5	6	250	0.009
15	5	40# Cu Iodide	45	6	250	0.004
15	3.5	10# Cl/10# Stan Cl	31.5	6	250	0.015
15	5	10# Cl/10# Stan Cl	45	6	250	0.009
15	3.5	10# Cl/10gpt Thio	31.5	6	250	0.347
15	5	10# Cl/10gpt Thio	45	6	250	0.334
28	2		18	24	120	0.018
28	3		27	24	120	0.011
28	2		18	6	225	0.342
28	3		27	6	225	0.230
28	2	4.5# Cu Cl	18	6	225	0.016
28	3	4.5# Cu Cl	27	6	225	0.009
28	3	4.5# Cu Cl	27	6	250	0.039
28	4	6.0# Cu Cl	36	6	250	0.034
28	5	9.0# Cu Cl	45	6	250	0.020

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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