

Pripol™ 1029

Polymerised fatty acid

Pripol 1029 is a dimer acid that can be used to improve corrosion inhibition, aid lubricity and modify rheology within drilling mud formulations and oilfield production.

Pripol 1029 is added to corrosion inhibitor formulations to neutralise the amine component; this subsequently creates an oil soluble corrosion inhibitor. Pripol 1029 has shown excellent performance in a typical formulation, improving the film forming properties of an oil soluble corrosion inhibitor formulation.

Croda offers a range of Pripol dimer and trimer acids with varying performance characteristics when used in corrosion inhibitor formulations.

Physical Properties*

Measurement	Unit	Typical Value
Physical form at 25°C		Liquid
Density at 25°C	g/ml	0.950
Viscosity at 25°C	mPa.s	8700
Solubility		Oil
Flash point	°C	275

*Typical values, please refer to CoFA for actual results

Features and Benefits

Feature	Benefit
Interacts with metal surfaces	Enhances film forming properties of corrosion inhibitor formulations
Irregular non crystalline structure	Modifies rheology

Corrosion Inhibitor Results

The following results were obtained from an oilfield standard immersion corrosion test method based on ASTM G31-72.

Reduction in corrosion vs blank (%)	Corrosion rate (mm/year)
95	0.11

Further information

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