

# Scale Inhibitor-101

**Chemical Name:** Polyacrylate Scale Inhibitor

**CAS Number:** Proprietary



## Description:

Scale Inhibitor-101 is a low molecular weight polyacrylic acid in a 50% active aqueous solution. Poly(acrylic acid) (PAA or Carbomer) is the generic name for synthetic high molecular weight polymers of acrylic acid. Scale Inhibitor-101 can be formulated into field strength scale inhibitors that will inhibit calcium carbonate, calcium sulfate and barium sulfate scales.

## Technical Data:

Property	Analysis	Specifications
Appearance	Dark Liquid	Clear
Specific Gravity	.955	1.041
PH	Not Established	Not Established
Amine Value	198.6 mg/g	Lower 170 – Upper 210
Imidazoline	63.6 %	Lower 60.00

## Applications:

Scale Inhibitor-101 is used for 1) solubility enhancement or threshold effect, which reduces precipitation of low solubility inorganic salts, 2) crystal modification, which deforms the growing inorganic salt crystal to give small, irregular, readily fractured crystals that do not adhere well to surfaces and 3) dispersing activity, which prevents precipitated crystals or other inorganic particulates from agglomerating and depositing on surfaces. Low molecular weight polyacrylic acids are widely used to inhibit scaling in industrial water treatment and in oil production applications.



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