



Technical Brief

CRC® SP-400™ Corrosion Inhibitor

What is SP-400?

SP-400 is a waxy petroleum based corrosion inhibitor. It is meant to protect unfinished (non-painted) metal parts from corroding while in storage or in general use.

What is the best way to apply SP-400?

SP-400 can be applied by spraying, dipping or brushing on to the metal parts. The application method depends on the user's preference.

What is the best temperature to apply SP-400?

SP-400 is a thixotropic material, meaning that it will get thicker in colder temperatures. Being a waxy film, the product will become thinner in warmer temperatures. We would suggest applying in temperatures between 40°F (4°C) to 90°F (32°C). SP-400 can be applied in higher temperatures but the product will be thinner.

Can SP-400 be diluted?

We do not recommend diluting of SP-400 for dipping or brushing. If you are applying the product by spraying, the product will need to be diluted with mineral spirits. The dilution ratio will depend on the type of sprayer used. If using an insecticide pump type sprayer, we recommend a dilution of 1:1; one part SP-400 to one part mineral spirits. If you use a paint pressure sprayer we recommend a dilution of 2:1; two parts SP-400 to one part mineral spirits. You may have to apply two coats to obtain the desired thickness. We would recommend letting the coating dry between applications (usually 12 to 24 hours).

How can SP-400 be removed?

SP-400 can be removed with CRC Heavy Duty Degreaser II. CRC Heavy Duty Degreaser II should be sprayed onto the surface and allowed to slowly break down the coating. SP-400 could also be removed by heating water to above 175°F/79°C and power washing the surface. The heat of the water will cause the waxy residual to sluff off or melt off the surface.

What is the operating temperature of SP-400?

The operating temperature for SP-400 is -40°F/-40°C to 150°F/66°C.

Does SP-400 meet any Military Specifications?

Yes, MIL-C-16173 Grade 4 Class I (Corrosion test only).

How long can the coating last?

Up to 2 years indoor/outdoor with a 2-3 mil coating.

How long can SP-400 last during salt fog testing?

SP-400 can last between 400-600 hours in salt fog.

For more information, contact CRC Technical Services at 1-800-521-3168.