



## CORROKLEEN™ RUST REMOVER 44

**DESCRIPTION:**

**CORROKLEEN™ RUST REMOVER 44** is an environmentally friendly organic acid gel cleaner that can be used as an alternative to traditional blasting methods for the removal of rust and mill scale. CORROKLEEN 44 can be applied to complex structures via chemical resistant brush or airless spray, including pressurized and/or manual (trigger) hand sprayers which makes it an excellent choice for use on sensitive equipment and in areas where blasting is not practical.

**HIGHLIGHTS:**

- ❖ Free of phosphates and other strong acids
- ❖ Highly effective as a remover of metallic ferrous oxides and heat scales
- ❖ Shear-thinning gel structure allows easy spray application
- ❖ Low-shear thixotropy keeps product in place where sprayed
- ❖ Excellent for the removal of rust, heat treat stains, and mill scale
- ❖ Useful for removing blush/flash rust from previously blasted surfaces
- ❖ Cleans oxides from weld beads and laser/plasma cut edges
- ❖ CorroKleen 44 is safe for use with aluminum alloys
- ❖ No VOC's and no flash point

**TECHNICAL PROPERTIES:**

PROPERTY	RESULT
Composition	Gel
Appearance	Semi-opaque white to pale yellow
Recommended Concentrations	Apply full strength
Recommended Temperature	Ambient conditions – activity will be slower at colder temperatures
pH	1.7 – 2.3, diluted 1:1 with deionized water
Viscosity	1500 – 3500 cps @ 20 rpm, 77°F thixotropic
% NV	32.8 – 36.8%

**NOTE:** INTENDED FOR USE ON FERROUS METALS ONLY

**PHYSICAL PROPERTIES:**

PROPERTY	VALUE
Weight per gallon	9.8 ± 0.5 lbs./gal.
Weight Solids (%)	34.8 ± 2.0
Volume Solids (%)	24.8 ± 2.0
Flash Point	None
VOC (less exempts)	0.0 lbs./gal.
VOE (actual)	0.0 lbs./gal.
Shelf Life	6 months
Coverage @ 5.7 mils wet	250 - 280 sq.ft./gallon

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## SPRAY APPLICATION:

**CORROKLEEN 44** is designed to be applied full-strength to rusted or mill-scaled hot-rolled steel, or to rusted cold-rolled steel. Effective spraying can be accomplished using a pressurized hand-spray wand (garden sprayer), manual-trigger bottle sprayer or electric air-powered airless sprayer (Wagner® Power Painter products). Enough material should be applied to completely coat the corroded surface with a continuous layer of **CORROKLEEN 44** gel.

If it is difficult to start the initial flow of product through the sprayer, it may be necessary to bump or shake the container lightly several times to allow material to flow into the pick-up tube. Once flow is established, there should be no difficulty in maintaining it.

**CORROKLEEN 44** should be left in place on the oxidized part long enough to completely loosen and remove corrosion and scale products. Once complete, these products, along with remaining **CORROKLEEN 44**, can be easily rinsed from the part with a garden hose or pressure washer using typical quality tap water or better. Depending on specific parameters like degree of corrosion or scale, ambient temperature and air movement, **CORROKLEEN 44** should normally be left in place for anywhere from 1-16 hours for effective removal of oxides. If a 16 hour treatment does not completely remove all rust/scale, longer contact times or re-treatment after rinsing are acceptable as needed.

Components should not be exposed to rain while being treated with **CORROKLEEN 44**.

The freshly deoxidized surface will be very active after rinsing. To avoid flash rusting, the item should be coated with a rust inhibitor, conversion coating or paint soon after treatment.

Spent **CORROKLEEN 44** and removed oxide products should be disposed of in accordance with local regulations.

## NOTES:

Heavily greasy or oiled parts should be pre-cleaned with an alkaline detergent prior to application of **CORROKLEEN 44** gel.

**CorroKleen 44** is not intended to remove aluminum oxides, but it is safe for incidental contact with aluminum components

Product contains water, keep from freezing.

Spray equipment and storage containers should be made of stainless steel or acid resistant plastic such as polypropylene or polyethylene.

**CORROKLEEN™ is a registered trademark of PPG Industries Ohio, Inc.**

**For more information contact:**

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