

CFX744 CORROKLEEN™ 44 Rust Remover

ONECHOICE® COMMERCIAL CFX744 CORROKLEEN™ 44 RUST REMOVER is an environmentally friendly citric 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 via chemical resistant brush or airless spray including pressurized and manual (trigger) hand sprayers which makes it an excellent choice for use on sensitive equipment and in areas where blasting is not practical.

Advantages	Benefits
<ul style="list-style-type: none"> Free of phosphates and other strong acids 	<ul style="list-style-type: none"> Excellent for removal of rust, heat treat stains and mill scale
<ul style="list-style-type: none"> Highly effective as a remover of metallic ferrous oxides and heat scales 	<ul style="list-style-type: none"> Useful for removing blush/flash rust from previously blasted surfaces
<ul style="list-style-type: none"> Shear-thinning gel structure allows easy spray application 	<ul style="list-style-type: none"> Closed cup: 220°F (104°C) [Product does not sustain combustion.]
<ul style="list-style-type: none"> Low-shear thixotropy keeps product in place where sprayed 	

TECHNICAL PROPERTIES:

PROPERTY	RESULT
Composition	Gel
Appearance	Semi-opaque white to pale yellow
Recommended Concentration	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 (25°C) thixotropic
%NV (% Non-Volatiles)	32.75 – 36.75%

NOTE: INTENDED FOR USE ON FERROUS METALS ONLY



CFX744 CORROKLEEN™ 44 Rust Remover

PHYSICAL PROPERTIES:

PROPERTY	VALUE
Weight per gallon	9.8 ± 0.5 lbs./gal.
Weight Solids (%)	34.75 ± 2.0
Volume Solids (%)	24.84 ± 2.0
Flash Point	Closed cup: 220°F (104°C) [Product does not sustain combustion.]
VOC (less exemptions)	0.0 lbs./gal.
VOC (actual)	0.0 lbs./gal.

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. **Do not apply to galvanized surfaces.** Shake or agitate well before application. 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). Product may be brushed on to the surface as well. 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 established, there should be no difficulty in maintaining flow.

CORROKLEEN 44 should be left in place on the oxidized part long enough to completely loosen and remove corrosion and mill scale. Once loosened, these products, along with remaining **CORROKLEEN 44**, can be easily rinsed from the part with a garden hose or pressure washer using tap water or better. Depending on specific parameters such as degree of corrosion or scale, ambient temperature, humidity and air movement, **CORROKLEEN 44** should normally be left in place for 1-16 hours for effective removal of oxides. Product must remain wet to be effective. In hot or low humidity environments, plastic sheeting can be used to cover the substrate and slow the evaporation of the product. 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, primer or topcoat immediately after treatment.

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

NOTES:

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

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.

Improper handling & application of products could impact product safety and performance. Read the product label and MSDS before use.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries Inc. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries Inc. warrant freedom from patent infringement in the use of any formula or process set forth herein.



PPG Commercial Coatings
Bringing innovation to the surface.™

PPG Industries, Inc.
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
2301 Royal Windsor Drive, Unit #6
Mississauga, Ontario L5J 1K5
1-888-310-4762