

Birchwood Laboratories LLC 7900 Fuller Road Eden Prairie, MN 55344 Tel: 952 937 7931

Fax: 952 937 7979

www.birchwood technologies.com

SHEATH® RB1 Rust Preventive Oil

Operating Instructions

PRODUCT DESCRIPTION

SHEATH® RB1 oil is a high grade, water displacing corrosion inhibitor for all metal surfaces. Applied to wet or dry parts, the SHEATH oil rapidly penetrates recessed areas and displaces water from the surface, leaving a transparent oil protective film that resists humidity and corrosion. Will not gum under high humidity or low temperature conditions. Harmless to plastics and paints. Contains no silicone or wax.

Lubricates and protects firearms, tools, machine components, dies, fixtures, automotive and marine equipment. Non-conductive film de-waters and lubricates electrical equipment, contacts, switches and motors without interfering with their proper operation, even at low temperatures. Enhances color and maximizes corrosion resistance when used as a topcoat for black oxide or phosphate finishes.

PROTECTIVE PROPERTIES

Humidity test (ASTM-D-1748: 120°F/100%)

Salt Spray test (ASTM-B117: 5% at 95°F)

Water Displacement Test (MIL-C-16173E, Grade 3)

Stain Test (MIL-C-2235A)

Corrosion Resistance (MIL-C-23411, MIL-C-81309)

Lubrication/Corrosion Resistance (MIL-L-46000)

Cleaning/Lubrication/Corr Res (MIL-PRF-63460)

500 hours minimum
96 hours average
Pass
Pass
Pass
Pass

PHYSICAL PROPERTIES

Approximate coverage
Approximate film thickness
Flash point
Color/Odor

1600 Sq. Ft. per Gallon
0.14 mil, or .00014 inches
111° F T.C.C.
Amber, Mild solvent odor

APPLICATION

Apply at Room Temperature to wet or dry parts, by dipping, brushing, or conventional low pressure spray equipment. Allow about one minute contact time to penetrate and displace water, then allow parts to drain and dry for 15-20 minutes.

BATH MAINTENANCE

As the Sheath® RB1 operates, it will accumulate water and the solids concentration will gradually go up over the usage.

The bath can be maintained by allowing to sit over the weekend, then draining off the water that has separated from the oil. This should be done as needed, based on usage, and water accumulation. The solids concentration can be adjusted by adding DriTouch® RPL to the bath in order to bring the solids concentration down to within the recommended parameters, or fresh oil to bring concentration back up. Solids levels can be determined by submitting a sample to Birchwood Technologies® for analysis.

REMOVAL

Mineral spirits or other organic solvents; heated alkaline detergent cleaners.

PACKAGING

5 gallon pails and 55 gallon non-returnable drums. Keep container closed during storage to prevent solvent loss.

Before Using This Product – Please Read, Understand and Follow all the Precautions shown on the Product Label and on the Safety Data Sheet.

The Safety Data Sheet can be found on our website:

https://www.birchwoodtechnologies.com/Downloads/Safety.html

Use Appropriate Warning Labels on any Container used to Store or Apply this Product.

<u>NOTE:</u> The information contained herein is provided in good faith and is believed to be correct as of the date below. However, Birchwood Laboratories LLC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, Birchwood Laboratories LLC will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

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