



Metal Finishing Systems

Birchwood Laboratories, Inc.  
7900 Fuller Road  
Eden Prairie, MN 55344 USA  
Tel: 952/937-7931  
Fax: 952/937-7979

[www.birchwoodcasey.com](http://www.birchwoodcasey.com)

## SHEATH® RB-1 Rust Preventive Oil

### Operating Instructions

#### PRODUCT DESCRIPTION

SHEATH® RB-1 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.

#### 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.

#### PROTECTIVE PROPERTIES

Humidity test (ASTM-D-1748: 120°F/100%)	500 hours minimum
Salt Spray test (ASTM-B117: 5% at 95°F)	96 hours average
Water Displacement Test (MIL-C-16173E, Grade 3)	Pass
Stain Test (MIL-C-2235A)	Pass
Corrosion Resistance (MIL-C-23411, MIL-C-81309)	Pass
Lubrication/Corrosion Resistance (MIL-L-46000)	Pass
Cleaning/Lubrication/Corr Res (MIL-PRF-63460)	Pass

## **PHYSICAL PROPERTIES**

Approximate coverage	1600 Sq. Ft. per Gallon
Approximate film thickness	0.14 mil, or .00014 inches
Flash point	126° F T.C.C.
Color/Odor	Amber, Mild solvent odor

## **REMOVAL**

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

## **PACKAGING**

5 gallon pails and 55 gallon non-returnable drums. Store in closed container.

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

The Material Safety Data Sheet can be found on our website: [www.birchwoodcasey.com](http://www.birchwoodcasey.com)

**Apply Appropriate Labels to all Containers used to Store or Apply this Product.**

**NOTE:** The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Birchwood Laboratories, Inc. 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, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

SHEATH® RB-1 Rust Preventive Oil (Product Numbers 820050, 820051, 820058)

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October 2010