



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

SHEATH® NonVOC Rust Preventive Oil

Operating Instructions

DESCRIPTION

SHEATH® Non VOC is a high-grade, water displacing corrosion inhibitor for all metal surfaces that is formulated with a high flash point, Non-VOC solvent carrier. Applied to wet or dry parts, the product penetrates recessed areas and rapidly displaces moisture, leaving a transparent, slightly oily protective film that resists humidity and corrosion. Will not gum under high humidity or low temperature conditions. Harmless to paint and plastics. Contains no silicone or wax. Complies with California Rule 1144.

Lubricates and protects tools, machine components, firearms, 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. Safe to use in areas with solvent-fume restrictions, such as heat treat department, or in areas with gas-fired space heating equipment.

APPLICATION

Apply at Room Temperature to wet or dry parts, by dipping, brushing, or conventional low pressure spray equipment. Allow 1-2 minute contact time to penetrate and displace water, then allow parts to drain for 15-30 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

PHYSICAL PROPERTIES

Approximate coverage	1600 Sq. Ft. per Gallon
Flash point	248° F T.C.C.
Color/Odor	Amber, Mild solvent odor

REMOVAL

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

PACKAGING

1, 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

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® Non VOC Rust Preventive Oil (Product Numbers 820650, 820651, 820658)
© Birchwood Laboratories, Inc.
October 2010