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**SHEATH® WS12 Water Soluble Oil**  
Operating Instructions

**PRODUCT DESCRIPTION**

SHEATH® WS12 Soluble Oil is a water-dilutable corrosion preventative oil for all metal surfaces. Supplied as a 100% concentrate, SHEATH® WS12 is mixed with tap water to form a milky-colored emulsion and used to coat wet or dry parts. After application, the water component of the coating will evaporate, leaving a thin, transparent oil film that protects metal surfaces in storage or in service. SHEATH® WS12 Oil is recommended as a sealant over black oxide or phosphate conversion coating.

**OPERATING CONDITIONS**

Bath Makeup	12-15% by volume in tap water for slightly oil film. 8-10% by volume for drier films.
Operating Temperature	70-130° F. Dries faster at higher temps.
Equipment Construction	Tank, racks, baskets: mild or stainless steel, plastic.
Ventilation	Desirable for higher operating temps.

**PHYSICAL PROPERTIES**

Appearance	Heavy, amber liquid
Flash Point	Over 200°F
Approximate coverage	2000-5000 Sq. Ft. per gallon, depending on mix ratio

## **BATH MAINTENANCE**

The concentration of the diluted SHEATH® WS12 will gradually change, depending on how the product is used. To maintain the proper concentration, simply add SHEATH® WS12 oil or water depending on the appearance of the oil film and the desired degree of protection. If precise control of the concentration is desired, please consult your BIRCHWOOD TECHNOLOGIES representative.

## **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.**

**NOTE:** 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.

SHEATH® WS12 Soluble Oil  
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