

## **WS 6900**

### **GENERAL DESCRIPTION**

WS 6900 is a high performance micro-emulsion for machining and grinding of ferrous and non-ferrous metals. The most advanced bio-resistant additive technology provides the highest level of performance in controlling bacteria and fungus, and eliminating odors. Increased sump life dramatically reduces waste disposal costs and changeover costs, and offers exceptional tool life to reduce tooling costs. WS 6900 offers a safer and friendlier alternative to semi-synthetics and straight synthetics. It is operator and machine friendly. It fulfills the warranty requirements of tool manufacturers that require the coolant concentrate to contain at least 40% oil for performance and machine maintenance benefits.

### **PERFORMANCE BENEFITS**

- Universal fluid for a wide range of metals, and operations including: stainless steel, cast aluminum alloys, ferrous metals, and cast iron.
- Durable, long lasting fluid is ideal for both central systems and individual sumps, reduces waste disposal and changeover costs.
- Not a semi-synthetic. Non-sticky – protects against fouling valves and switches to reduce downtime and maintenance costs.
- Excellent rust and corrosion protection for inner workings of the machine tool.
- Extreme pressure lubrication extends tool life and provides good finish.
- Rejects all tramp oil for easy skimming.

### **TYPICAL PROPERTIES**

Appearance..... Translucent blue liquid  
pH @ 5% solution..... 8.4  
Sulfur..... None  
Refractometer Factor..... 1.0

### **RECOMMENDED CONCENTRATION**

Grinding..... 4 - 6%  
Machining..... 6 - 8%  
Severe machining ..... 8 - 12%

## **CONCENTRATION CALCULATION**

% Concentration = Refractometer Reading x Refractometer Factor

Note: Always calibrate the refractometer so that it reads 0.0 with water that will be mixed with the machining coolant.

## **MIXING INSTRUCTIONS**

- Always pre-mix coolant before adding it to the machine.
- If mixing by hand, always **add the coolant concentrate** to water, then agitate.
- For best results, a proportioner should be used.
- Since water evaporates from the coolant, the concentration will increase over time. To maintain the recommended concentration, makeup coolant should be pre-mixed at half the % concentration as the initial fill.

## **SHIPPING CONTAINERS**

Available in 5 gallon pails, 55 gallon drums, or 275 gallon bulk containers.

## **HEALTH & SAFETY**

Material Safety Data Sheets are available for all Wallover products. Consult the MSDS for information regarding the storage, handling and disposal of a product.

## **WARRANTY**

All reasonable effort has been made to ensure that the information provided in this publication is accurate. No warranties are expressed or implied since the use of this product is beyond our control.