



Product Bulletin

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LUSTERLUME 9141

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Lusterlume 9141 is a moderately alkaline, low-foaming liquid cleaner / burnishing compound for application in spiral washers, cabinet washers, basket washers, vibratory finishing mills, and oblique tumbling barrels. **Lusterlume 9141** may be used to clean ferrous metals, copper alloys, brass alloys, bronze alloys, stainless steel and nickel-clad stock. The **Lusterlume 9141** will clean a variety of metal processing lubricants--synthetic lubricants, sulfurized and chlorinated oils, lard oil based, etc. It can also be used as a carrier solution for abrasives in abrasive slurry cutting and descaling operations.

Lusterlume 9141 finds wide application in washing highly finished surfaces such as bearing parts and stainless steel strip. **Lusterlume 9141** is free rinsing; a property that is very desirable in cleaning bearings and highly finished steel parts. It can also be used as a cleaner for in process heat treat cleaning prior to neutral hardening.

Lusterlume 9141 is also ideal as a carrier solution for abrasives such as silica carbide, silica, and aluminum oxide in abrasive slurry heat-treat scale removal and edge radius generation.

ADVANTAGES

- Low to no foam
- Easy to handle liquid
- Mixes readily with cold water
- Does not contain nitrites
- Does not contain chelators
- Silicate free; ideal for use where heat-treating follows cleaning operations.
- Tends to split oils

PHYSICAL DATA

Specific gravity: 1.27 – 1.33
Appearance: Clear water white
pH concentrate: 11.0 to 11.5

OPERATING PARAMETERS

Concentration range: 5-10% by volume for most applications
Temperature: Typically 150-180 degrees F for cleaning, 70-100 degrees F as a carrier solution in abrasive slurry descaling or edge radius generation.
Equipment: Mild steel or stainless steel tanks, racks, baskets, and heaters

Lusterlume 9141 may be operated at a wide temperature range, 100 to 200 °F. Low temperatures may be used for light soils, while higher temperatures must be used for heavy oils.

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CONTROLS

TEST KIT PROCEDURE

1. Fill test bottle 1/4 full with water.
2. Add 5 mls. of **Lusterlume 9141** solution to the bottle, using the 5-ml syringe.
3. Add 5-10 drops methyl orange indicator.
4. Add drop-wise N-94 solution until solution turns from yellow to red-orange.
5. Record number drops N-94 solution used.

$$\% \text{ (VOLUME) Lusterlume 9141} = 0.217 \times \text{DROPS N-94 SOLUTION}$$

As an example a 5% by volume solution of **Lusterlume 9141** should require 23 drops of N-94 test solution to reach the methyl orange indicator end point.

CAUTION

Lusterlume 9141 is an alkaline product and should be handled accordingly. Avoid skin and eye contact. Wear protective clothing, goggles and gloves. Flush exposed areas immediately with clean cold water. Contact a doctor promptly in case of injury. People handling and working with this product should read and thoroughly understand the Material Safety Data Sheet for the **Lusterlume 9141**.

WASTE DISPOSAL

Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.