



CONSULTANT LUBRICANTS, INC.

"The Solution is Science"

University of Missouri Research Park  
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St. Charles, MO 63304-5685

Consultant Lubricants, Inc. has been developing custom lubricant formulations and manufacturing advanced metalworking fluids for over forty years.



## K118-LTP Pre-Treatment Cleaner

Neutralized Low Temp Formula

### Top 4 Pre-Treatment Cleaning Challenges... and the Solution!

- 1) Surface Contamination** - Dirt, oil, grease, wax and rust repel surface coatings and paint. Our pre-treatment cleaners prepare metal surfaces for uniform coverage of paint, coating or plating.
- 2) Prior Surface Coatings** - Primers, paint and other chemicals can prevent proper adhesion to metal surfaces. Complete and even removal is required to achieve adequate preparation for the following finishing stages.
- 3) Surface Static** - Electrostatic interference is a common challenge for metal surface adhesion. Thoroughly cleaning is required to have none or to have an even electrostatic charge.
- 4) Surface Defects** - Uneven surfaces or flaws in material consistency can be the cause of uncoated patches or gaps. Proper pre-treatment enables these areas to receive uniform coverage.

### THE ADVENTURES OF GEORGE & RALPH

Ralph, How are the New Pre-Treatment Chemicals working?

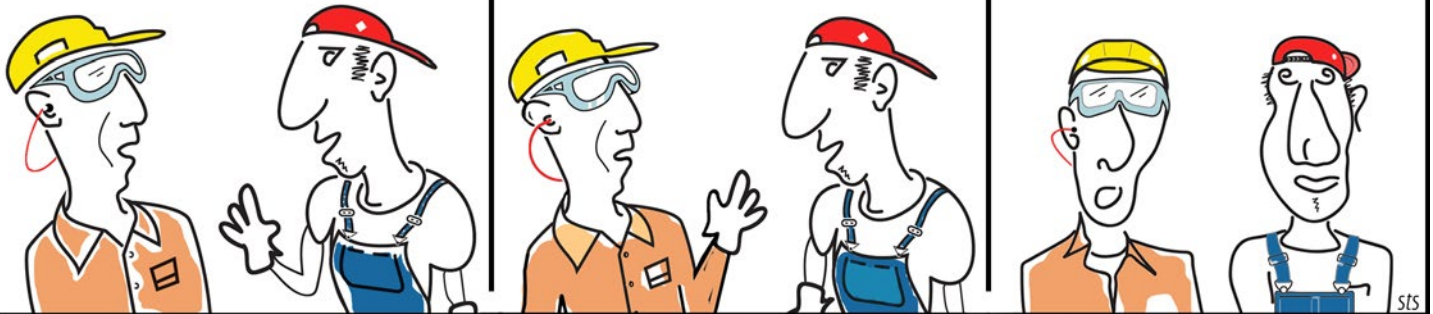
Whatever chemicals they're using, people are treating me better.

I'm referring to the cleaners used to prepare metal parts for coating.

Well... I'm just saying kids can be mean!

CLI has developed pre-treatment formulas for every challenge!

Not necessarily challenges on the playground.



The K118-LTP is a LOW TEMPERATURE liquid cleaner designed to remove all types of soils from all substrates. The K118-LTP removes, mill oils, cutting oils, drawing and stamping compounds, coolant residues, smuts, dirt, and metal fines. The unique combination of surfactants and wetting agents provide low temperature cloud point activation and fast wetting.

The "near neutral" pH allows for easier waste water treatment and less concern for caustic chemical discharge to the sewer. K118-LTP is.....Safer to use, Less Expensive to Operate, and Less Hazardous to dispose of than conventional cleaner chemistry.

price per gallon			
\$17.30	\$16.30	\$14.30	\$14.30
1 GAL	5 GAL	55 GAL	275 GAL

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