

LACTUCA 119 S

SOLUBLE OIL METALWORKING FLUID

(Formerly Cool E 119)

DESCRIPTION

Lactuca 119 S is a premium quality, EP water-soluble machining and grinding fluid. It is recommended for use in turning, milling, drilling, reaming, boring, and sawing operations as well as various heavy duty machining operations such as threading, tapping, deep hole drilling, and trepanning.

Lactuca 119 S will provide excellent corrosion protection for both parts and machinery while giving extended tool life and excellent surface finish. This product will provide prolonged sump life at a 3-10% concentration without the use of a phenolic biocide, thus reducing environmental as well as dermatological problems.

Lactuca 119 S contains synthetic and chlorinated extreme pressure and anti-weld agents. This product is free of phenols, PCB's, mercurials, and phosphates. Lactuca 119 S forms a translucent white emulsion, which is stable in hard water and leaves no sticky residue.

USE PROCEDURE

The standard dilution is a mix of 1:20 (5%) with average water. Lactuca 119 S may be mixed satisfactorily from 1:5 to 1:40, depending upon the type and severity of the operation. These concentrations are suggested starting point dilutions and should be adjusted as necessary to maximize performance. When preparing mixtures, **ALWAYS** add Lactuca 119 S to water and not vice-versa (to prevent formation of an invert emulsion).

TYPICAL SPECIFICATIONS ON PAGE 2

TOTAL Lubricants USA, Inc.

ISO: 9001:2000 certified

TOTAL Lubricants USA, Inc. with a policy of continuous improvement, reserves the right to change specifications as our technology progresses.
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TYPICAL SPECIFICATIONS

Appearance, neat	Dark Amber Liquid	
Odor	Mild Oily Odor	
Color, ASTM D-1500	2.5	
Specific Gravity @ 60 F	0.960	
Density @ 60 F, lbs./gal.	8.01	
Sulfur Content, % wt.	Nil	
Chlorine Content, % wt.	7.8	
pH @ 1:9	9.3	
Refractive Index, deg. BRIX	1:4	20.5
	1:9	10.6
	1:19	5.4
	1:49	1.9
	1:99	0.5

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