

# VALONA B-1 S



METALWORKING



**TOTAL**

Chlorine-free Cutting Oil for General Machining.

## APPLICATIONS

- **VALONA B-1 S** is a clear, pale yellow cutting oil which is a non-compounded, naphthenic mineral oil. It has the natural ability to penetrate and wet out on metal surfaces.
- **VALONA B-1 S** is used on all cutting operations on all ferrous metals and non-ferrous metals. It is free of chlorine, sulfur, and does not contain any metals.
- Operations include: moderate machining such as cutting free machining non-ferrous alloys, particularly aluminum. It also finds use as a blending oil for metalworking fluids.

## ADVANTAGES

- Chlorine/sulfur/metal free.
- Superior surface finish.
- Superior lubricity properties--Increases the tool and die life.
- Handles a broad spectrum of metals.
- Excellent metal wetting ability.

TYPICAL CHARACTERISTICS	VALONA B-1 S
Appearance	Pale Yellow Liquid
Color, ASTM D-1500	2.5
Viscosity at 40°C, cSt	18.0 - 22.0
Density @ 60 °F, lbs./gal.	7.42
Specific Gravity @ 60/60 °F	0.891
Pour Point, °F	-35
Flash Point, COC, °F	330
Copper Strip Corrosion	1A-1B
Sulfur Content, %wt.	Nil
Chlorine Content, %wt.	Nil

TOTAL Lubricants USA, Inc.

Linden, NJ 07036  
5 North Stiles Street  
908.862.9300/800.526.4127

Rockingham, NC 28379  
709 Airport Road  
800.323.3198 / 800.526.4127

Knoxville, TN 37914  
3315 Riverside Drive  
800.323.3198 / 800.526.4127