

# VALONA 121 S



METALWORKING



Dual-Purpose Transparent Cutting and Lubricating Oil.

## APPLICATIONS

- **VALONA 121 S** is a chlorine-free, transparent, cutting oil which is efficient over a wide working range of both metals and machining operations.
- **VALONA 121 S** is used on all cutting operations on all ferrous and non-ferrous metals: low carbon steels, brass, aluminum, bronze, copper, tin, nickel, and stainless steel.
- **VALONA 121 S** can also be utilized as a dual purpose oil in low pressure lube systems where cross contamination of the cutting oil and lube oil is a problem.
- Operations include: general machining such as drilling, turning, milling, reaming, tapping and threading of all free machining steels.

## ADVANTAGES

- Very good extreme pressure performance due to the addition of inactive sulfur:
- Increases tool life, prevents ridging, promotes good surface finish.
- Excellent lubricity properties--Increases the tool life on a large scale of cutting parameters maintaining an additive layer on the chip / workpiece / tool surface.
- Outstanding oxidation resistance.
- Non-staining.
- Permits operator surveillance of the workpiece at all times.
- Dual purpose capability.
- Anti-misting agent.

TYPICAL CHARACTERISTICS	VALONA 121 S
Appearance	Light Amber Liquid
Color, ASTM D-1500	1.5
Viscosity at 40°C, cSt	29.0 - 35.4
Density @ 60 °F, lbs./gal.	7.34
Specific Gravity @ 60/60 °F	0.879
Flash Point, COC, °F	400
Copper Strip Corrosion	1A-1B
Sulfur, %wt.	0.5
Lubricity Content, %	8.0

**TOTAL Specialties USA, Inc.**

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at [www.totalspecialties.com](http://www.totalspecialties.com). Copyright 2016 All rights reserved.