

VALONA 2021 S



METALWORKING



TOTAL

Chlorinated Cutting and Grinding Oil.

APPLICATIONS

- **VALONA 2021 S** is a clear oil of very light viscosity which is efficient over a wide working range of both metals and machining operations. It is fortified with active anti-weld, extreme pressure (EP), and lubricity agents to aid in metal removal, metal forming, and improved surface finishes.
- **VALONA 2021 S** is used for cutting, grinding and honing on **ONLY** ferrous metals. It contains a pleasant smelling odor masking agent plus a special mist reducing agent to create a better operator environment. **NOT TO BE USED** on copper alloy metals (stain risk on workpieces after cutting operations).

ADVANTAGES

- Promotes excellent 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.
- Excellent metal wetting ability.
- Pleasant odor masking agent.
- Anti-mist additive.

TYPICAL CHARACTERISTICS	VALONA 2021 S
Appearance	Clear Yellow Liquid
Color, ASTM D-1500	1.0
Viscosity at 40°C, cSt	13.5 - 16.5
Density @ 60 °F, lbs./gal.	7.43
Specific Gravity @ 60/60 °F	0.890
Flash Point, COC, °F	340
Copper Strip Corrosion	4C
Lubricity Content, %wt.	5.0
Sulfur Content, %wt.	2.0
Chlorine Content, %wt.	2.8

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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. Copyright 2016 All rights reserved.