

**Name:** Val-Swiss 2250  
**Revision Date:** 6/21/2018 – R1

ValCool, LLC  
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Houston, TX 77041

### VAL-SWISS 2250

VEGETABLE ESTER BASED CUTTING OIL

#### DESCRIPTION

Val-Swiss 2250 is a fighting grade synthetic ester containing cutting oil designed for light to medium duty applications including swiss style machining, gun drilling, milling, turning, threading and grinding. Incorporated with renewable resources, Val-Swiss 2250 positions well against mineral oil based fluids and is suitable for virtually all materials and tools. Val-Swiss 2250 provides for a clean workplace environment and it's high flash is a safer alternative compared to mineral oil based fluids. Low viscosity optimizes chip removal rates and it's unique chemistry is more compatible with operator's skin than traditional mineral oil based fluids.

#### FEATURES & BENEFITS

- Chlorine, phenol and boron free
- Low misting properties
- Extended tool life with increased production rates
- Excellent chip removal rates
- Exceptional lubrication properties
- Outstanding surface finish
- Non-irritating to operators' skin

#### METAL COMPATIBILITY

- Alloys made of steel
- Titanium alloys
- Hi Temp Alloys
- Aluminum alloys
- Aluminum
- Tungsten Carbon
- Stainless Steel
- Copper alloys
- Cast Iron
- Titanium
- Tool Steel
- Nickel alloys

#### HEALTH & SAFETY

See the most recent SDS which is available directly from ValCOOL, your local representative or authorized distributor. ValCOOL uses only raw materials not listed as carcinogenic by IRAC.

#### PROPERTIES

Appearance:	Clear Yellow Liquid
Diluted Appearance:	N/A
Solubility in Water:	Does not mix
Odor:	Mild Industrial
Specific Gravity:	0.86
Sulfur Content (%):	1.6
Flash Point (°F):	>390°F
ISO Viscosity @ 40°C:	22

#### APPLICATION & USAGE

ValCOOL recommends using Val-U-Clean or K-5-P cleaner before adding Val-Swiss 2250 to a machine.

Val-Swiss 2250 is a straight cutting oil so mixing with water is not required.

Maintaining the Val-Swiss 2250 at its optimum performance is achieved through good fluid filtration practices.

No special precautions are necessary with respect to seals or valves.

***Fluid compatibility and machinability should always be tested first; as fluid concentration, metal alloy, and machining operation are variable.***