Technical Data Sheet
Solutions Through Innovative Technology

Name: EMERALD CUT WSX
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ValCool, LLC
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EMERALD CUT WSX

Vegetable/Ester Based Water Soluble Extreme Coolant

DESCRIPTION

Emerald Cut WSX is a vegetable/ester based water soluble coolant designed for the most demanding of applications. The "green" nature of this chemistry is first and foremost chosen for machining performance while secondarily being built from a environmentally conscious standpoint. The product is exceptionally clean with the ability to reject tramp oil and extend sump life. Emerald Cut WSX is non-aggressive to the machining environment and possesses a chemistry that is machinist friendly to those using it. The product has excellent rust inhibition. Foam control is a benefit of Emerald Cut WSX along with the ability to be used on any alloy, composite, and/or glass.

FEATURES & BENEFITS

- Works on all alloys from Inconel to Aluminum to Cast
- Chlorine, sulfur, phenol and boric acid free
- No foam technology
- Extended tool life with increased production rates
- Best in class resistance to bacteria growth
- Exceptional tramp oil rejection
- Outstanding surface finish
- Non-irritating to operators' skin

METAL COMPATIBILITY

- Carbon Steel
- Cast Iron
- Stainless Steel
- Inconel
- Aluminum
- Copper
- Hi Temp Alloys
- High Carbon
- Plastics

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:	Amber
Diluted Appearance:	Clear/Turbid Micro Emulsion
Solubility:	100% in water
Odor:	Mild Industrial
Specific Gravity:	1.03
Concentrate pH:	9.2
pH, 5 % dilution:	9.2
Freeze/Thaw Cycles:	Passed 3x

REFRACTIVE INDEX MONITORING

2.3 x multiplier

Percentage	Ratio	Refractometer Reading
5	19 to 1	2.2
10	9 to 1	4.3
15	6 to 1	6.5
20	4 to 1	8.6

Fluid compatibility and machinability should always be tested first.