



TRIM[®] VHP[®] E200PW

Very High-pressure, Pratt & Whitney Approved Emulsion

GENERAL DESCRIPTION

TRIM[®] VHP[®] E200PW is a chemical emulsion (soluble oil) coolant that specializes in heavy-duty machining and creepfeed grinding of aircraft alloys. Pratt & Whitney has approved this product for use on all materials. This approval applies to both Pratt & Whitney facilities and authorized subcontractors. The Pratt & Whitney approval number is PMC 9390.

ADVANTAGES

- Pratt & Whitney (PMC 9390) approved for use in all grinding and machining operations on all metals. VHP[®] E200PW contains a proven and highly effective, nonchlorinated, extreme-pressure additive to control built-up edge and wheel loading
- No foam at very high pressures and volumes
- Very high levels of boundary lubrication for superior tapping, reaming, and form grinding results
- Leaves a soft fluid film to prevent sticky ways, chucks, tool holders, and fixtures
- Machines are easily washed off with coolant working solution to minimize the buildup of residues and chips
- Easy recycling or disposal with conventional techniques and equipment

APPLICATION GUIDELINES

- VHP E200PW is designed to run effectively for long periods without the need for costly additives.
- It can run at lower concentrations for higher speed operations where heat removal is the key issue.
- Higher concentrations are recommended on soft, gummy materials and for lower speed operations where friction reduction and control of built-up edge are critical.
- For additional product applications information including performance optimization, please contact your Master Chemical Authorized Distributor at 2trim.us/distributors.php, your District Sales Manager, the Tech Line at 1-800-537-3365, or visit our web site at www.masterchemical.com.

PHYSICAL PROPERTIES (TYPICAL DATA)

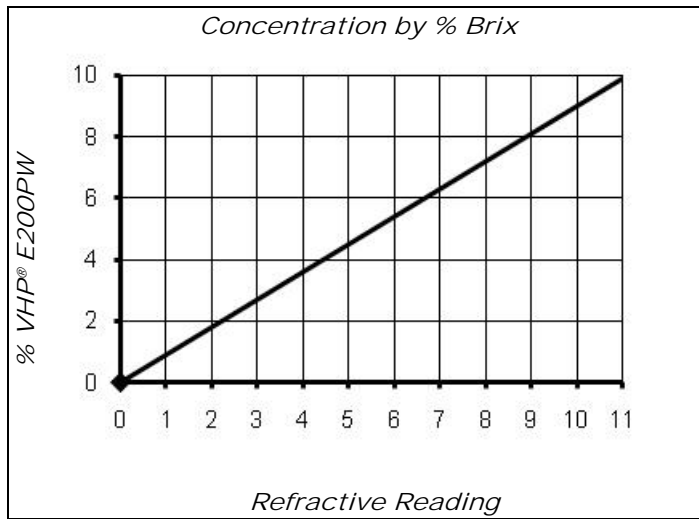
Color (Concentrate) Olive green
 Color (Working Solution) Milky white
 Odor Mild, oily
 Form Liquid

Flash Point ... 331°F (166°C) (ASTM D92-12B COC)
 pH (Typical Operating as a Range)..... 8.2-8.9
 Coolant Refractometer Factor % Brix0.9

HEALTH AND SAFETY

See the most recent SDS at 2trim.us/s/?i=1140-en-US-US.





% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 0.9

RECOMMENDED METALWORKING CONCENTRATIONS

- Moderate to heavy-duty machining 5%-7%
- Heavy-duty grinding 7.5%
- Creepfeed grinding 7.5%
- Recommended concentration range..... 5%-7.5%

MIXING INSTRUCTIONS

- Using DI or mineral-free water will improve sump life, reduce concentrate usage, reduce carryoff, and improve corrosion inhibition.
- Emulsion products such as VHP E200PW work best if mixed with room temperature water. Add the coolant concentrate to the water; NEVER THE REVERSE.
- Using premixed coolant as makeup will improve performance and reduce coolant purchases. The makeup concentration you use should balance the water evaporation rate with the coolant carryout rate. (Adding makeup coolant at 40%-60% of the desired working concentration will generally maintain the proper concentration in the sump.)

NOTES

- Use Master STAGES™ Whamex™ for a quick and thorough pre-cleaning of your machine tool and coolant system.
- Before using this product on any metals and applications not specifically recommended, consult Master Chemical Corporation.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Chemical Corporation, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Chemical Corporation for recommended action.
- VHP E200PW working solution is a milky white emulsion.
- Packaging: North America – 1-gallon jug, 5-gallon pail, 54-gallon drum, and 270-gallon tote bin and tank wagon lot.
- Packaging: Europe/Asia – 20-litre pail, 204-litre drum, and 1000-litre IBC.

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