

Name: Petro Form 500
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ValCool, LLC
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PETRO FORM 500

EP Fortified Petroleum Based Forming Fluid

DESCRIPTION

PETRO FORM 500 is a mineral oil based forming fluid that is fortified with EP additives for the most demanding of forming operations. The range of mineral oils selected for this product allow for the surface wetting of dies, penetration into deep cavities, and thermal stability to provide a smoke free environment. PETRO FORM 500 assures minimal flash and complete die fill on stamped parts while making sure length of all open ended extrusions is achieved. This unique chemistry helps to inhibit microfracturing of stainless steel during operations.

FEATURES & BENEFITS

- Suitable for forming all alloys
- EP fortified for extreme die tool protection
- Suitable for the most demanding operations
- Low odor, low mist
- Smoke-free in normal working conditions

HEALTH AND SAFETY

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

PROPERTIES

Appearance:	Amber brown fluid
Solubility:	nil in water, soluble in most oils
Odor:	Mild Industrial
Specific Gravity:	.90
Viscosity @ 100oF	125 SUS @ 100°F
Flash Point:	>325°F
Fat %:	5%
EP Fortification:	15%

APPLICATION & USAGE

PETRO FORM 500 can be used to punch, draw, stamp, extrude or form all alloys in all operations. As with all products, testing should be conducted to assure desired results are achieved before moving into full production.

The product is normally used neat as received but in some instances can be diluted back with mineral oil and/or solvents for a specific application. The product is most often sprayed onto die surfaces but can also be applied via dipping parts, brushing, and/or pouring. Contact the ValCOOL customer service department for more information.