

**Name:** Petro Form 500-CF  
**Revision Date:** 01/12/2024 – R1

ValCool, LLC  
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### PETRO FORM 500-CF

Chlorine Free Forming Oil

#### DESCRIPTION

PETRO FORM 500-CF is a chlorine free mineral oil based forming fluid with excellent versatility and is the product of choice when a chlorine/halogen free product is desired. Due to the lack of traditional chlorine EP additives, PETRO FORM 500-CF is fortified with the latest in ester technology and anti-weld chemistry to assure no work piece/tool welding occurs during operations. The flashpoint of PETRO FORM 500-CF is such that smoking and oil mist is not an issue in the plant. Due to chemistry of PETRO FORM 500-CF this product is not recommended for yellow metal alloys as staining can occur.

#### FEATURES & BENEFITS

- Suitable for most alloys, not yellow metal alloys
- Chlorine/halogen free chemistry
- Excellent for the most demanding operations
- Low odor, low mist
- Smoke-free in normal working conditions
- Leaves very little residue on formed parts

#### 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	220 SUS @ 100°F
Flash Point:	>325°F
Fat %:	10%
AW Fortification:	5%

#### APPLICATION & USAGE

PETRO FORM 500-CF 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.