



## Product Bulletin

# Dual-X

Dual-X is a petroleum based cutting oil specially compounded for a wide variety of applications. Dual-X is fortified with special sulfurized extreme pressure additives designed to provide both high and low temperature extreme pressure lubrication. Anti-wear and inhibitor additives provide enhanced metalworking performance and corrosion protection. Dual-X does not contain chlorinated additives which can complicate waste characterization and disposal. Dual-X is also specially formulated to resist oxidation and viscosity changes so it can also be used as a hydraulic lubricant in machines that require an economical and versatile oil.

### Features and Benefits

- Non chlorinated to simplify disposal
- Extreme pressure additives provide long tool life
- Provides boundary lubrication for improved finishes
- Easily removed with alkaline cleaners
- Non-staining
- Excellent corrosion and rust resistance
- Hydraulic fluid properties

### Typical Properties

Appearance	Brown liquid
Bulk Density	7.59 lbs/gal
Specific gravity	0.91 @ 20 °C
Solubility	Insoluble
Flash Point	>375 °F
Viscosity	135-175 SUS @ 100°F

### Application Procedure

Dual-X is normally used full strength and therefore no control procedures are necessary. It can be applied by spray, mist or flow. Dual-X can be removed from parts after machining with alkaline cleaners Admiral X, Buckeye, Orlando or SOL-R a solvent degreaser.

Consult Material Safety Data Sheet for a complete description of proper handling procedures.