



# Product Bulletin

## GULFCUT® C-V CUTTING OILS

**Gulfcut® C-V Cutting Oils** are light colored, active cutting oils designed for use in moderate to severe machining operations. These new *clear view* cutting oils are formulated with optimum levels of extreme pressure (EP) additives in the form of sulfur and chlorine. These EP additives react with the metal surface under high temperature and pressure to form a protective surface film at the chip-tool interface.

**C-V Cutting Oils** are formulated with a new synthetic wetting agent that helps significantly in holding down friction while providing an excellent surface finish on materials with low machineability ratings. **Gulfcut® C-V Cutting Oils** offer a new *clear view* forward in cutting oil technology.

### FEATURES AND BENEFITS:

- **Gulfcut® C-V 40C** is a low viscosity cutting oil particularly suited for deep hole drilling, grinding, and other metalworking applications where a low viscosity, EP cutting oil is required. Loss of oil due to carry off is minimal.
- **Gulfcut® C-V 80C** is a low viscosity cutting oil compounded with excellent anti-weld properties making it an ideal choice for deep-hole or gun drilling applications on difficult to machine metals and alloys. It is transparent on the work piece, allowing good visual inspection of machined parts.
- **Gulfcut® C-V 190C** is an active, light colored, severe duty fluid formulated to provide strong performance where moderate to severe machining is required. The high level of extreme pressure (EP) additive coupled with synthetic fatty oil make this product ideal for a broad range of machine tool operations, including: threading, tapping, broaching, milling and where a high level of surface finish is a must.

### Typical Properties

Grade		C-V 40C	C-V 80C	C-V 190C
Product Code	Test Method	335318	335320	335325
Viscosity cSt @ 40°C	ASTM D 445	8.2	15.0	39.0
Viscosity SUS @ 100°F	ASTM D 2161	40	75	190
Flash Point, COC, °F	ASTM D 92	290	305	325
Specific Gravity, 60°F		0.839	0.851	0.863
Four Ball EP				
Weld Point, kgf	ASTM D 2783	500	500	620
Load Wear Index		86	86	95
Sulfur, %		Present	Present	Present
Chlorine, wt%		Present	Present	Present
Fat Oil, %		Present	Present	Present
Phosphorus, wt%		None	None	None

**Note:** **Gulfcut® C-V Cutting Oils** contain elevated amounts of active sulfur that will stain soft metals such as brass, bronze, copper and aluminum. Their use in machining applications where these metals are present and staining is an issue should be avoided.

### AVAILABILITY:

**Gulfcut® C-V Cutting Oils** are available throughout Gulf's marketing area. Your Gulf representative can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF (4853) or visit [www.gulflubricants.net](http://www.gulflubricants.net).

**NU-TIER BRANDS, INC.**

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