

CITGO TUL-KUT® OIL BASE  
CUTTING OIL CONCENTRATE



Date 04/18

**DESCRIPTION:** CITGO Tul-Kut Oil Base is a special additive concentrate designed for fortifying cutting oils in the field. CITGO Tul-Kut Oil Base is designed without chlorine containing components to minimize any hazards to the environment.

- FEATURES:**
- Non-staining to yellow metals (copper and copper-containing alloys)
  - Non-corrosive
  - Good solubility in mineral oil base fluids
  - Highly concentrated level of performance additive
  - Long history of proven performance
  - Non-chlorinated

**APPLICATIONS:** CITGO Tul-Kut Oil Base is used to reformat cutting oils. Generally, 3 to 5 percent of concentrate is sufficient. Higher concentrations can be used for extremely difficult machining operations. CITGO Tul-Kut Oil Base can be diluted with kerosene or low viscosity oils to compound products when customers prefer to do their own blending for honing and lapping.

**TYPICAL PROPERTIES:**

**CITGO TUL-KUT® OIL BASE**

Material Code	639565001
Gravity, ASTM D4052, °API	12.0
Gravity, Specific, 60/60°F, ASTM D1298	0.986
Density, lb/gal at 60°F	8.21
Flash Point, ASTM D92, °F (°C)	400 (204)
Viscosity, ASTM D445, cSt at 40°C	370
cSt at 100°C	40
Color, ASTM D1500	D8 (Dark)
Pour Point, ASTM D97 equivalent, °F (°C)	60 (16)
Sulfur, ASTM D2622, w%	10.5
Copper Corrosion, ASTM D130 (3 hrs. at 212°F, 10% in 100 SUS at 100°F base oil)	2

CITGO and Tul-Kut are registered trademarks of CITGO Petroleum Corporation. All other registered trademarks or trademarks are the property of their respective owners.