



## Product Bulletin

# Champion

Champion is a heavy duty emulsifiable oil type coolant designed for a large variety of operations including cutting, grinding, broaching and tapping. Champion is fortified with a chlorinated extreme pressure additive to give good finish properties and long tool life in the most demanding operations. Champion's excellent rust protection and emulsion stability provide for trouble free machining.

### Features and Benefits

- Excellent emulsion stability for long sump life
- Contains a biocide to minimize odors
- Mild pH reduces risk to workers
- Excellent rust protection of freshly machined parts
- Low foaming tendency and good detergency keep machines clean

### Typical Properties

Appearance	Green liquid
Bulk Density	8.0 lbs/gal
Solubility	Stable emulsion at concentrations ranging from 2 to 25 % by volume
Flash Point	>300 °F
Viscosity	275-320 SUS @ 100°F
pH (as used @ 5%)	8.8 - 9.0

### Application Procedure

Champion is used at concentrations ranging from 3 to 10 % by volume (33:1 to 10:1) depending on the degree of lubrication necessary. Dilutions should be prepared by adding Champion to water (not water to product) with mixing. The concentration of Champion can be determined by refractometer or acid split.

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