



DURALIFE® SOLUBLE (EMULSIFIABLE) METAL CUTTING OILS

DURALIFE® SOLUBLE (EMULSIFIABLE) METAL CUTTING OILS are the chlorine-free, heavy duty soluble coolants, specially formulated for application in machine shop cutting all types of ferrous and non-ferrous metals. These Products has exceptional emulsion stability and anti-corrosion properties. Inhibited with biocides to reduce bacterial growth and its very low foaming makes DURALIFE SOLUBLE (EMULSIFIABLE) METAL CUTTING OILS ideally suited as a economical long life coolant in central circulating systems. DURALIFE SOLUBLE (EMULSIFIABLE) METAL CUTTING OILS in water give a stable milky white emulsion .

APPLICATIONS :

DURALIFE® SOLUBLE (EMULSIFIABLE) METAL CUTTING OILS are suitable for fast speed cutting, grinding, drilling, etc. Depending on the severity of the operation, the following general guidelines may be used :

<u>Machining Operation</u>	<u>Recommended Dilution</u>
Milling, Turning and Drilling	1:15 to 1:30
Rough Cutting	1:10 to 1:20
Grinding	1:40 to 1:60

Note : Metal-Cutting Oil should be added to water and not vice versa to prevent an invert emulsion

BENEFITS :

- Highly resistant to rancidity with normal care .
- Hard water stable, mix easily with water .
- Contain no nitrites, phenols, heavy metal or chlorine/sulfur .
- Present no abnormal disposal problems .
- Easy to clean off .
- Non-irritating to the skin in dilute form .
- Leave no sticky residue and procedure good wetting and cleaning effects .

TYPICAL CHARACTERISTICS :

Test	Method	Typical results			
		E 30	E 40	E 60	E 80
API Gravity	ASTM D287	29.30	28.93	28.57	28.21
Specific Gravity @ 15.6°C (60° F)	ASTM D1298	0.880	0.882	0.884	0.886
Viscosity @ 40°C, cSt	ASTM D445	34	45	67	88
Flash Point, °C (° F)	ASTM D92	170 (338)	185 (365)	195 (383)	210 (410)
Pour Point, °C (° F)	ASTM D97	-25 (-13)	-25 (-13)	-25 (-13)	-25 (-13)
pH value of 10% dilution	ASTM D1287	9.0	9.0	9.5	9.5

The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING :

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference SDS Number12039 database on our website at www.amtecol.com
OR scan the code for a direct link

