

# SEMI CUTTING COOLANT HEAVY DUTY SEMI-SYNTHETIC EP CUTTING FLUIDS

## PRODUCT DESCRIPTION :

Semi Cutting Coolant Is A Green, Water Soluble, Semi-Synthetic Concentrate for A Wide Range of Metalworking Operations Including Moderate Duty Machining and Grinding. Semi Cutting Coolant Provides Excellent Corrosion Protection and Is Extremely Resistant To Attack By Bacteria and Mold. Semi Cutting Coolant Is Recommended for General Purpose Machining and Grinding Operations Where Long Metalworking Fluid Life Is Needed, Such As In Large Individual Machine Sumps or Central System Applications. It Can Aslobe Used for Surface and Centerless Grinding. Semi Cutting Coolant Is Designed for Use On Ferrous and Nonferrous Metals, including Aluminium, Brass, Bronze and Copper. Semi Cutting Coolant Contains No Nitritr, phenols, Silicones or Chlorine. It Is Readily Waste Treated and Will Not Release Hazardous Materials Into The Enviroment. It Contains No Ethanolamines.

## TYPICAL SPECIFICATIONS :

- PHYSICAL STATE-CLEAR,LIQUID
- SOLUBILITY IN WATER-10% SOLUBLE
- WEIGHT,LB/GAL,60F(15.6°C)-8.7
- SPECIFIC GRAVITY (H20=1)-1.043
- FLASH POINT COC,F (°C)-NONE ;SELF EXTINGUISHING
- FIRE POINT COC F (°C)-NONE ;SELF EXTINGUISHING
- EXTINGUISHING MEDIA-NO FIRE HAZARD
- UNUSUAL FIRE & EXPLOSION HAZARD-NONE
- FREEZING POINT (OR POUR POINT). F (°C)-22(-5.8)
- PH,CONCENTRATE-10.2
- PH,1:20(5.0%)-9.2
- TOTAL CHLORINE-0.0.0%
- MERCURIALS,PHENOLS,PHOSPHATES,PCB'S PTBBA,NITRIDE,DIETHANOLNITROSAMINE, CHLORINATED PARAFFINS,CHLORINATED SOLVENTS,SILICONE-NONE
- SEMI CUTTING COOLANT SHOULD BE MIXED WITH WATER FOR USE (ADD CONCENTRATE TO WATER).
- ADD NO OTHER SUBSTANCES TO THE CONCENTRATE OR MIX.

## CONCENTRATE :

OPERATION	CAST IRON	NODULAR IRON	CARBON STEELS	ALLOYED STEELS	COPPER ALLOYS	ALUMINIUM
MILLING,DRILLING,TURNING	1:20(5%)	1:20(5%)	1:20(5%)	1:15(6.7%)	1:25(4%)	1.15(6.7%)
GRINDING	1:20(5%)	1:20(5%)	1:20(5%)	1:20(5%)	1:25(4%)	1:20(5%)