



WIN CUTTING OIL APX

Emulsifiable Metalworking Lubricants

CUTTING OIL APX is an emulsifiable cutting oil for use in metal working operations where maximum cooling is required. It is manufactured from selected base oils, emulsifiers, and a biocide to help control bacterial growth. It mixes readily with water to form stable emulsions providing good rust protection.

BENEFITS

WIN CUTTING OIL APX provides the following benefits:

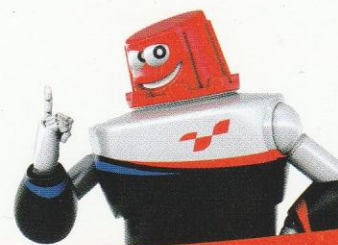
- * Economical to use when mixed with water in the specified ratios.
- * Maximizes production rates by providing adequate cooling and lubrication of tool and work piece.
- * Forms stable emulsions.
- * Provides long emulsion life through rapid separation of chips or grinding dirt.
- * Protects against rusting of ferrous metals.

APPLICATIONS

CUTTING OIL APX is used for general cutting and grinding operations in which maximum tool and work piece required.

<u>Operation</u>	<u>Ratio, Parts Oil to Water</u>
Grinding	1:20
Light Cutting	1:20
Turret Lathe, Screw Machining, Milling and Drilling	1:20
Broaching, Threading, Gear Cutting	1:10

CUTTING OIL APX is designed to be used with water hardness not exceeding 400mg/kg as calcium. For water with hardness exceeding this level, a water softener is recommended





TYPICAL CHARACTERISTICS

WIN CUTTING OIL APX

Viscosity Kinematic at 40 deg C, cSt	28
Viscosity Kinematic at 100 deg C, cSt	5,62
Flash Point, COC, deg C	220
Pour Point, deg C	-12
Specific Gravity, 15/15 deg C	0.880
pH at 5% concentration	8.5

