



## Semi-Kut Semi-Synthetic Coolants

Dyna-Plex 21C® Semi-Kut Semi-Synthetic Coolants are versatile metalworking fluids formulated to provide exceptional cooling and lubricity. The coolants are highly bioresistant, providing excellent rancidity protection. Semi-Kut Semi-Synthetic Coolants form stable micro-emulsions in hard or soft water. All products in the series are very mild in odor and will not produce sticky residues on machine surfaces. Each fluid exhibits extreme pressure capabilities to perform difficult machining operations on ferrous and non-ferrous metals. Semi-Kut Semi-Synthetic Coolants provide in-process rust protection and are low-foaming in high-pressure machining applications. They contain no nitrites, active sulfur, chlorine, or phenols.

Dyna-Plex 21C Semi-Kut 60 is a premium semi-synthetic coolant with low oil content and extreme pressure capability. It is intended for moderate-duty applications on a wide range of ferrous and non-ferrous metals. The refractometer multiplier is 2.0.

Dyna-Plex 21C Semi-Kut 61 exhibits the performance characteristics of Semi-Kut 60. It is specially formulated for exceptional non-staining performance on copper and brass. The refractometer multiplier is 2.0.

Dyna-Plex 21C Semi-Kut 70 is a premium semi-synthetic coolant with medium oil content and extreme pressure capability. It is intended for heavy-duty applications on ferrous and non-ferrous metals. Semi-Kut 70 is a very concentrated formulation that can be used in low concentrations, typically 2% – 5% for most machining applications. The refractometer multiplier is 1.1.

Dyna-Plex 21C Semi-Kut 25 BF is a new-technology, semi-synthetic coolant with high oil content and extreme pressure capability. It has low-cobalt-leaching characteristics and can be used with carbide. This product contains no boron. The refractometer multiplier is 1.7.

### Fluid Maintenance:

Check concentration daily. Use at 5% – 10% for machining. Semi-Kut 25 BF can be used at concentrations as low as 2% in machining applications. Semi-synthetic coolants are appropriate for use in grinding applications, but may foam in high-velocity delivery systems.

<u>PROPERTY</u>	<u>SEMI-KUT 60</u>	<u>SEMI-KUT 61</u>	<u>SEMI-KUT 70</u>	<u>SEMI-KUT 25BF</u>
Appearance	Pale Yellow	Pale Yellow	Light Amber	Yellow
Specific Gravity	1.0	1.0	1.03	1.0
Flash Point (COC), °F	Boils at 212°F	Boils at 212°F	392°F	Boils at 212°F
pH (5%)	9.6	9.6	9.5	10.0