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technical data sheet

Signal Cut 109

Product Application:

Signal Cut 109 is a technologically advanced new age environmentally conscious vegetable based semi-synthetic water miscible metalworking fluid concentrate designed to operate in a wide and varying water hardness range. It is fortified to provide excellent machining for the most difficult to machine materials, ferrous and nonferrous and the like from turning, milling, drilling, sawing and grinding applications.

Signal Cut 109 is formulated with the latest polarized vegetable ester technology, providing for an outstanding extended life coolant, with limitless capabilities in all types of machining processes. Machining materials from cast ferrous to aerospace exotics to technical precise medical alloys.

Signal Cut 109 incorporates a delicate balance of mild PH modifiers and coupling detergents to ensure that it is gentle on the operator's skin as well as providing an exceptionally clean trouble free extended life coolant. It is free of sticky residues, and inhibits rust and corrosion, allowing for unimpeded efficiency and performance.

*Signal Cut 109 is an environmentally conscious fluid that contains no chlorine, nitrites, heavy metals, phenols or diethanolamines.

Package Size:

Bulk, Drums, Pails

Recommended Concentrations:

Light-duty machining, light turning, grinding……3% - 5%
Moderate-duty machining, milling, turning, drilling, sawing……5% - 7%
Heavy-duty machining, broaching, tapping, boring, gear hobbing……7% - 10%

Features and Advantages:

*Excellent microbial resistance, increased sump life
*Vegetable based, environmentally conscious
*Operator friendly, pH modified
*Bio-Resistant, extended life
*Detergents, exceptionally clean fluid, no sticky residues
*Non-foaming, non-misting technology

Typical Characteristics:

Color	Translucent
Odor	Mild
Specific Gravity	1.085
pH @ 20:1 Dilution	9.6
Refractometer Read @20:1 Dilution (Brix)	2.5

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