

## METALWORKING FLUIDS – SEMI-SYNTHETICS

### NuKut SS 303: Semi-Synthetic Fluid for a variety of metalworking applications

**Applications:** NuGeneration Technologies' **NuKut SS 303** is designed to assist in many metal cutting and machining operations on ferrous, non-ferrous, and specialty alloys including aluminum. 100% non-hazardous, non-sulfur, non-phenol and non-nitrate based fluids with propriety extreme pressure lubricants are easily disposed of.

**NuKut SS 303** is specifically designed for use in grinding & CNC machining centers. **NuKut SS 303** increases tool life, sump life, improves cutting speeds and prevents corrosion both in machines and on parts. **NuKut SS 303** provides a non-hazardous easily removed corrosion resistant coating on all metals.

**NuKut SS 303** can be used in moderate duty stamping and forming operations as well as roll forming. **NuKut SS 303** can be used in multi-metal operations so that coolant change-outs are not required. Bio-stable formula provides for long sump life.



#### Benefits:

- Low foaming
- High lubricity
- Excellent surface finishes
- Hard water stable
- Improved sump life
- Improved tool life
- Excellent corrosion protection
- Easily disposed of
- Operator friendly
- Mild odor
- Prevent carbide leaching
- Easy to clean off

#### Typical Usage Parameters:

	NuKut SS 303
Description	<b>CNC Machining</b>
Grinding	2 – 4%
Cutoff and Sawing	8 - 15%
Milling, Drilling, Turning	5 - 10%

#### Physical Properties:

	NuKut SS 303
pH, concentrate & pH 5%	9.7 / 9.4
Bulk Density, #/gal	8.6
Chelates	None
Solubility in water	Complete
Nitrites/nitrates	No
Oil containing fluid	Yes
Cast Iron Chip Test	<2%

**COOLANT MANAGEMENT:** Send any NuGenTec Coolant from your sump into our lab for a FREE analysis. Consisting of: actual concentration, pH, Conductivity (TDS), Bacterial counts, % emulsified oil & total oil. Receive recommendations on sump life extension and coolant maintenance.