

## **METALWORKING FLUIDS - SYNTHETICS**

### **NuKut: 100% Synthetic Fluids for a variety of metalworking applications**

**Applications:** NuGeneration Technologies' **NuKut** lines of synthetic metalworking fluids are liquid OIL-FREE products designed to assist in many metal cutting and machining operations on ferrous, non-ferrous, and specialty alloys including aluminum. 100% non-hazardous, non-chlorine, non-sulfur, non-phenol and non-nitrate based fluids with propriety extreme pressure lubricants are easily disposed of. **NuKut LT 1** is also specifically designed for use in diamond wheel grinding of carbide and diamond (PCD) tool inserts. Providing excellent surface finishes while extending stone life. Prevents Carbide Leaching.

**NuKut MD 1** is specifically designed for use CNC machining centers. **NuKut MD 1** increases tool life, sump life, improves cutting speeds and prevents corrosion. Replace soluble oils in your shop with NuKut MD 1. Eliminate the hazardous associated with oils; like disposal, fire, dermatitis & skin sensitization. NuKut MD 1 provides a non-hazardous easily removed corrosion resistant coating on all metals.



#### **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:**

	<b>NuKut MD 1</b>	<b>NuKut LT 1</b>	<b>Bug Sticks</b>
Description	<b>CNC Machining</b>	<b>Grinding</b>	<b>Bacterial &amp; Fungal Checks</b>
Grinding	2 – 4%	2 - 10%	Easy to use
Cutoff and Sawing	5 - 15%	10%	Just dip in &
Milling, Drilling, Turning	5 - 10%	--	Results 1 day

#### **Physical Properties:**

	<b>NuKut MD 1</b>	<b>NuKut LT 1</b>	<b>Bug Sticks</b>
pH, concentrate & pH 5%	9.8 / 9.5	10.6 / 10.4	--
Bulk Density, #/gal	8.5	8.6	Regular use
Chelates	None	None	An early
Solubility in water	Complete	Complete	Warning
Biodegradable	Yes	Yes	Against
Nitrites/nitrates	No	No	Microbial
Oil containing fluid	Oil Free	Oil Free	Spoilage
Cast Iron Chip Test	3%	N/A	--

**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.