

## NuKut MD 1- Metalworking Fluids - SYNTHETICS

**Heavy Duty, Non-Chlorinated Synthetic coolant with excellent rust protection**

**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 and non-phenol based fluids with propriety extreme pressure lubricants are easily disposed of.

**NuKut MD 1** is specifically designed for use CNC machining and turning centers. **NuKut MD 1** increases tool life, sump life, improves cutting speeds and prevents corrosion. With its exceptional ability to prevent rust on in process parts and machines **NuKut MD 1** rivals soluble oils in rust protection. 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 including: Aluminum, brass, bronze, copper, iron, nickel, steel and stainless steel.

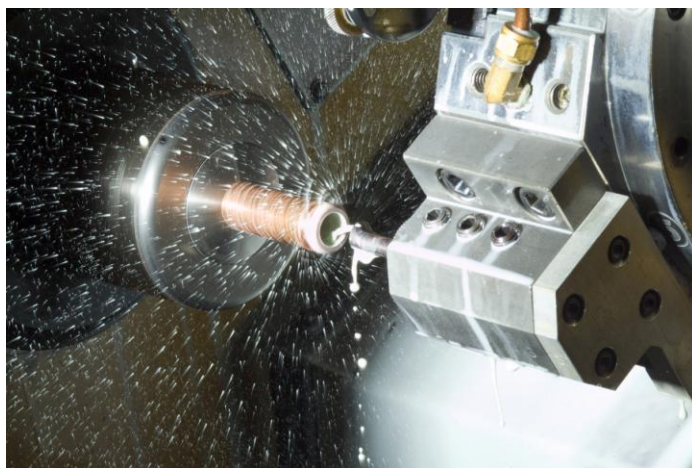


### Benefits:

- 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 MD 1
Description	<b>CNC Machining</b>
Grinding	3 – 5%
Cutoff and Sawing	8 – 15%
Milling, Drilling, Turning	5 – 10%



### Physical Properties:

	NuKut MD 1
pH, concentrate & pH 5%	10 / 9.8
Bulk Density, #/gal	8.7
Flash point	None
Solubility in water	Complete
Biodegradable	YES
Nitrites/nitrates	NO
Amines	YES
Oil containing fluid	Oil Free
Cast Iron Chip Test pass	2%

Concentration by Refractometer: 5%=2; 7.5%=3 and 10% = 4.  
 The Factor is: Divided by 0.4 or Multiply by 2.5.  
 % Concentration NuKut MD1 = Refractometer Reading \* 2.5