

NuKut SME

Non-Aqueous, Non-Mineral Oil, Non-solvent based cutting fluid.

Applications: NuGeneration Technologies' **NuKut SME** is designed to assist in many metal cutting and machining operations on ferrous, non-ferrous, especially magnesium alloys. SME contains no water and is not water soluble. 100% non-hazardous, non-sulfur, non-phenol and non-nitrate based fluids with propriety extreme pressure lubricants are easily disposed of.

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

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



Benefits:

- **NO foam**
- **Vegetable oil base**
- **Excellent surface finishes**
- **Great EDM fluid**
- **Non-water based**
- **Easily cleaned**
- **Excellent corrosion protection**
- **Easily disposed of**
- **No mineral oils**
- **Mild odor**
- **Magnesium machining**
- **Readily biodegradable**

Typical Usage Parameters:

	NuKut SME
Description	EDM Fluid Magnesium Maching Screw Machines CNC Machining
Usage	Full Strength

Physical Properties:

	NuKut SME
pH, concentrate & pH 5%	N/A
Bulk Density, #/gal	7.4
Chelates	None
Solubility in water	NIL
Nitrites/nitrates	No
Oil containing fluid	NO
VOC	~7.3% (<65 g/L)
Toxicity	NON-Toxic
Flash point	> 350°F
SARA Title III	Not Reportable
HMIS	Heath 0, Flam 1, Reactivity 0
SNAP (Significant New Alternative Policy)	Approved
HAPS (Hazardous Air Pollutants)	Not listed