

## *MAXUS NXT PREMIUM METALWORKING FLUID*

**Maxus NXT** is a water miscible, cutting and grinding fluid and is part of our new MAXUS group of metalworking lubricants. MAXUS NXT provides exceptional E.P. performance characteristics in a variety of machine operations without the use of chlorine to enhance extreme pressure properties. MAXUS NXT is recommended for use on both ferrous and non-ferrous materials.

**Maxus NXT**, when mixed with water, forms an opaque emulsion that exhibits excellent cooling properties for superior finishes and increased tool life. Maxus NXT is recommended for use in operations involving the most difficult to machine alloys including stainless, titanium and high nickel steels.

**Maxus NXT** mixes easily in both soft and hard water and remains highly transparent to afford the machine operator full view of the work. Maxus NXT has earned very high marks in operator acceptance. The effective biostatic system yields a higher resistance to microbial degradation and rancidity than conventional soluble oils without the use of DCHA or formaldehyde releasing components. Maxus NXT enjoys an extended coolant life in machine sumps and central coolant systems without special maintenance procedures.

**Maxus NXT** provides complete protection for machine surfaces and parts in process. Maxus NXT also contains an inhibitor to prevent galvanic corrosion between stacked parts. This feature makes the NXT well suited for the machining of copper and its alloys as well as a variety of machine operations on aluminum and most aerospace alloys.

**Maxus NXT** is formulated to meet the criterion concerning corrosive characteristics of metalworking fluids on various metals set forth by the major D.O.D. contractors.

### Recommended Starting Dilutions

**Machining** - drilling, turning, milling, tapping, boring, and reaming  
1 : 25 ( 4% ) to 1 : 10 ( 10% )

**Sawing / Grinding** - centerless, surface, cylindrical, internal  
1 : 33 ( 3% ) to 1 : 14 ( 7% )

### Concentration Check

|  |              |              |              |              |              |              |              |               |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Concentration                            | 1:33<br>(3%) | 1:25<br>(4%) | 1:20<br>(5%) | 1:17<br>(6%) | 1:14<br>(7%) | 1:12<br>(8%) | 1:11<br>(9%) | 1:10<br>(10%) |
| Refractometer<br>Reading<br>(Brix Scale) | 3.0          | 4.0          | 5.0          | 6.0          | 7.0          | 8.0          | 9.0          | 10.0          |

**MAXUS NXT** Continued

**Typical Physical Characteristics**

|                                 |   |   |   |   |   |                       |
|---------------------------------|---|---|---|---|---|-----------------------|
| Weight, (lb.s / gal.)           | . | . | . | . | . | 8.0                   |
| Specific Gravity, 60/60F        | . | . | . | . | . | .960                  |
| Flash Point, Concentrate, COC F | . | . | . | . | . | >250                  |
| pH, fresh, 1:20 (5%) dilution   | . | . | . | . | . | 9.6                   |
| Color, dilution                 | . | . | . | . | . | opaque/blue-green     |
| Color, concentrate              | . | . | . | . | . | available undyed/blue |
| Chlorine/Chloride, %wt.         | . | . | . | . | . | 0% / <50ppm           |

**Packaging**

MAXUS NXT is available in 55 gallon steel drums, totes and bulk quantities.

Please ask your Maxim Metalworking Lubricants representative for information on other products from the MAXUS line. The new generation of chemically compatible high performance metalworking fluids, slideway lubricants, and tapping fluids. MAXUS is "Cutting Edge Chemistry"

For additional information, product samples, etc., please contact;  
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