

MAXUS Q2 PREMIUM METALWORKING FLUID

Maxus Q2 is a new water extendible, cutting and grinding fluid and is part of our new MAXUS group of metalworking lubricants. Q2 was formulated through MAXIM's research and development in conjunction with two of the industry's most prominent additive manufacturers.

Maxus Q2 provides exceptional E.P. performance characteristics in a variety of machine operations on ferrous most non-ferrous materials. Maxus Q2 is formulated free of chlorinated extreme pressure components as well as active sulfur.

Maxus Q2, when mixed with water, forms a near transparent micro-emulsion that exhibits excellent cooling properties for superior finishes and increased tool life. Maxus Q2 is recommended for use in operations involving the most difficult to machine alloys including stainless, titanium and high nickel steels. The opaque emulsion is easy to mix in both soft and hard water.

Maxus Q2 remains highly transparent to afford the machine operator full view of the work.

The effective biostatic system formulated into the Maxus Q2 yields a higher resistance to microbial degradation and rancidity than conventional soluble oils; this allows for longer coolant life in machine sumps and central coolant systems without special maintenance procedures. Unlike many solubles and synthetics, the Maxus Q2 remains fluid in and on the surfaces of the machining center allowing slideways, chucks, and tooling to work freely without a hard-to-clean dry or sticky residue.

Maxus Q2 incorporates a three part corrosion preventive package that provides complete protection for machine surfaces and parts in process. **Maxus Q2** also contains a copper brightener as well as an inhibitor to prevent galvanic corrosion between stacked parts. This feature makes **Maxus Q2** well suited for the machining of copper and its alloys as well as a variety of machine operations on aluminum and many aerospace alloys. Excellent cleanliness, remarkable performance, and extended fluid life are benefits of using **Maxus Q2**. These are just a few features that elevate Maxus Q2 to realize high marks in overall facility acceptance.

This nor any high-water-based material should be used to machine magnesium alloys.

The use of a superior slideway lubricant such as Maxim's "Dura Way" lubricants is recommended.

Recommended Starting Dilutions

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

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

Concentration	1:33 (3%)	1:25 (4%)	1:20 (5%)	1:17 (6%)	1:12 (8%)	1:10 (10%)
Refractometer Reading (Brix Scale)	2.0	2.6	3.2	3.8	5.0	6.3
	Reading x 1.56 = Concentration (%)					

MAXUS Q2 Performance Advantages

- ▶ Unique Tool / Wheel Performance - Excellent cooling properties and extreme pressure lubricity combine to provide extended tool life.
- ▶ Exceptional Corrosion Control - Prevents in-process corrosion of work pieces and machine tool parts.
- ▶ High Operator Acceptance- Excellent cleanliness; remains translucent; good settling properties provide for ease of contaminant removal; low foaming; non-drying on machine surfaces.
- ▶ Long Life - More tolerant of hard water and tramp oils and has a high biological resistance for extended sump life.
- ▶ Formulated for Enhanced Environmental Acceptance- Free of corrosive chlorine, Chlorinated Paraffins(CP), DEA, DCHA, formaldehyde or formaldehyde releasing biocides.

Typical Physical Characteristics

Weight, (lb.s / gal.)	.	.	.	.	.	8.7
Specific Gravity, 60/60F	.	.	.	.	.	1.05
Flash Point, COC F	.	.	.	.	.	none
pH, fresh, 1:20 (5%) dilution	.	.	.	.	.	9.8
Color, dilution	.	.	.	.	opaque/blue-green	
Color, concentrate	.	.	.	.	available undyed/blue	

Packaging

Maxus Q2 is available in 55 gallon steel drums, totes and bulk quantities. Please read and understand the Safety Data Sheet / GHS labeling prior to handling or disposing of this product.

MAXUS Q2 is available in 5 gallon pails, 55 gallon steel drums, and 275 gallon totes.

Shipping Identification / DOT labeling: NOT D.O.T. REGULATED

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:
MAXIM OIL & CHEMICAL COMPANY
Fort Worth, Texas, 76140 - Metro (817) 654-4456

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