



METALWORKING

DATAFILE

DURASOL 1000-A FOR THE MACHINING AND GRINDING OF ALUMINUM AND COPPER ALLOYS

DURASOL 1000-A is a concentrated heavy-duty emulsifiable oil for moderate to difficult machining and grinding applications. This product obtains extreme pressure lubricity without using sulfurized fats. This makes DURASOL 1000-A an excellent choice for use on steels with moderate machinability ratings, aluminum, copper alloys, and aerospace alloys.

DURASOL 1000-A provides excellent cooling properties, superior finishes, increased tool life and complete rust protection for machine and parts in-process due to its non-nitrite rust inhibitor package. The stable white emulsion is non-foaming, silicon & chlorine free, and easy to mix in both soft and hard water.

The effective biostatic system formulated into this product makes DURASOL 1000-A a great choice for both central systems or individual machine sumps.

DURASOL 1000-A has met 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%)

Typical Physical Characteristics

Weight, (lb.s / gal.)	.	.	.	.	7.4
Specific Gravity, 60/60F	.	.	.	.	.89
Flash Point, COC F	.	.	.	.	>350
pH, fresh, 1:20 (5%) dilution	.	.	.	.	9.2
Color, water emulsion	.	.	.	.	white
Color, concentrate	.	.	.	.	amber

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

DURASOL 1000-A continued

Packaging

DURASOL 1000-A is available in 55 gallon steel drums, totes and bulk quantities.

Shipping Identification / labeling :

PETROLEUM PRODUCTS
CLASS 65, NFMC 1552 50
NOT D.O.T. REGULATED

HMIS	
Health	1
Flammability	1
Reactivity	0
Personal Protection	X

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