

# HE&M<sup>®</sup> 102 Semi-Synthetic ELIMINATOR

Eliminator 102 - Semi-Synthetic contains FHW Technology, an advanced additive package designed to reduce Friction, Heat and Wear for exceptional tool life.

- All-purpose, heavy-duty partial oil base semi-synthetic
- Leaves little or no residue
- Leaves little residue
- Provides corrosion protection
- Formulated to provide superior resistance to bacteria growth
- Does not stain - Safe to use on all metals
- Does not irritate operator's hands
- Creates interface between cutting edge of tool & chip, thus enhancing tool life
- Keeps coolant fresher longer

Designed for use on: Carbon Steel, Alloy Steel, Stainless Steel, Aluminum, Structurals, Brass, Copper, Tool Steel

## Refractometer Schedule:

DILUTION RATIO WATER TO CHEMICAL	BRIX SCALE			
	0 - 10	0 - 30	0 - 32	
1:1	Off Scale	20.0	22.0	
2:1	Off Scale	14.0	14.0	
3:1	Off Scale	10.5	10.5	
4:1	9.0	8.0	8.5	
5:1	7.5	6.5	7.0	
6:1	6.25	5.5	6.0	
7:1	5.5	5.0	5.0	
8:1	5.0	4.1	4.5	
9:1	4.5	3.75	4.0	
10:1	4.0	3.5	3.5	
11:1	3.6	3.0	3.0	
12:1	3.0	2.75	2.75	
13:1	2.8	2.5	2.5	
14:1	2.6	2.0	2.25	
15:1	2.5	2.0	2.0	
18:1	2.0	1.8	1.8	
20:1	1.9	1.5	1.5	

## Dilution Ratios:

Exotics, Stainless, Aluminum	5 - 10:1
Alloys & Tool Steel	10 - 20:1
Cast Iron, Brass & Copper	10 - 20:1
Low Carbon Structural & Tubing	10 - 20:1

NOTE: Always calibrate your refractometer to zero using your coolant water supply. Clean lens thoroughly, then apply water. Reading should be "0" (zero). If not, calibrate using the small set screw on the top or bottom of the refractometer.

## Available In:

P-102000	1 Gallon
P-102001	4 Gallon Case
P-102005	5 Gallon Pail
P-102055	55 Gallon Drum
P-102275	275 Gallon Tote

## Physical & Chemical Characteristics:

Appearance/Odor...	Brown Liquid/Clean
Weight (lb/gal)	8.6
pH (@ 10:1 dilution)	9.5
Flash Point	None

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