

**HE&M****Performance  
Source****Your Source for Straight Cuts!****Eliminator 102 Semi-Synthetic  
Sawing Fluid  
with *FHW* Technology**

## ***Reduces Friction, Heat, & Wear - Producing Longer Blade Life***

HE&M Saw Eliminator 102 is a PREMIUM, all-purpose, heavy-duty, Semi-Synthetic sawing fluid that contains a chemically treated, water soluble base with extreme pressure additives to reduce **F**riction, **H**eat, and **W**ear for exceptional tool life.

## **Specially Formulated for Sawing**

### **Longer Tool Life**

HE&M Saw Eliminator 102 contains extreme pressure and lubricity additives to cut friction, heat, and wear on production band saw work, providing excellent machining results and tool protection even in hard water.

### **Longer Sump Life**

HE&M Saw Eliminator 102 is formulated for superior resistance to bacterial growth, and keeps coolant in service longer without foul odors or slime. Coolant stays fresh and will not irritate operator's hands.

#### **Designed For Use On:**

**Low to Medium Carbon  
Tool Steel  
Stainless  
Structurals**

#### **PHYSICAL & CHEMICAL PROPERTIES**

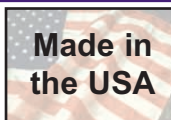
Pounds Per Gallon	8.6
Flash Point	None
Appearance	Blue
Hazardous Components	None
Odor	Clean
pH @ 10:1 Dilution	9.5

#### **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

## **HE&M Saw - Your Sawing Specialists!**

**[www.hemsaw.com](http://www.hemsaw.com)**



**P. O. Box 1148 • Pryor, OK • 74362**  
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**HE&M****Performance  
Source****Your Source for Straight Cuts!****Eliminator 102 Semi-Synthetic  
Sawing Fluid with  
FHW Technology****REFRACTOMETER SCHEDULE FOR  
HE&M SAW ELIMINATOR 102: SEMI-SYNTHETIC**

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	



**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.

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