



**Performance
Source**

Your Source for Straight Cuts!

**Eliminator 103 Water Soluble
Sawing Fluid with
FHW Technology**

Reduces Friction, Heat & Wear - Producing Longer Blade Life

HE&M Saw Eliminator 103 is a PREMIUM, all-purpose, heavy-duty Water Soluble sawing fluid which contains a chemically treated, water soluble base and 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 103 contains extreme pressure and lubricity additives to cut friction, heat, and wear on tooling, providing machining results and tool protection even in hard water.

Longer Sump Life

HE&M Saw Eliminator 103 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:

**Medium to High Carbon
Exotics
Hard to Work Materials
High Alloy
High Nichol Content
High Chrome Content
Stainless
Production Cutting**

DILUTION RATIOS:

Exotics Stainless Aluminum	3 - 7:1
Alloys Tool Steel	10 - 15:1
Cast Iron Brass Copper	10 - 20:1
Low Carbon Structural Tubing	15 - 20:1

PHYSICAL & CHEMICAL PROPERTIES

Pounds Per Gallon	8.6
Flash Point	310 degrees F
Appearance	Milky Blue
Hazardous Components	None
Odor	Charac.
pH @ 10:1 Dilution	9.0

HE&M Saw - Your Sawing Specialists!

www.hemsaw.com



P. O. Box 1148 • Pryor, OK • 74362
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HEM**Performance
Source****Your Source for Straight Cuts!****Eliminator 103 Water Soluble
Sawing Fluid with
FHW Technology****REFRACTOMETER SCHEDULE FOR
HE&M SAW ELIMINATOR 103: SOLUBLE**

DILUTION RATIO WATER TO CHEMICAL	BRIX SCALE:	0 - 10	0 - 30	0-32
	1:1	Off Scale	Off Scale	Off Scale
2:1	Off Scale	Off Scale	Off Scale	Off Scale
3:1	Off Scale	Off Scale	25.0	25.5
4:1	Off Scale	Off Scale	20.0	21.0
5:1	Off Scale	Off Scale	17.0	18.0
6:1	Off Scale	Off Scale	14.5	15.5
7:1	Off Scale	Off Scale	12.5	13.5
8:1	Off Scale	Off Scale	11.0	12.0
9:1	Off Scale	Off Scale	10.0	11.0
10:1	9.75	9.5	9.5	10.0
11:1	9.0	8.5	8.5	9.0
12:1	8.5	7.75	7.75	8.25
13:1	8.0	7.25	7.25	8.0
14:1	7.5	7.0	7.0	7.5
15:1	7.0	6.5	6.5	7.0
18:1	6.0	5.5	5.5	6.0
20:1	5.0	5.0	5.0	5.25



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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