



## HRMW COMPOUND

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HRMW is a low-viscosity, alkaline liquid. HRMW is specially formulated to be used in conjunction with all RichardsApex Hot Rolling Compounds to produce clean, oxide-free copper.

Additions of HRMW maintain the correct concentration of metal brighteners for consistently producing oxide-free, bright copper. The amount of HRMW required is dependent on the amount of metal produced per hour and will vary from 1 gallon per hour to approximately 6 gallons per hour adding to the system with a chemical feeding pump.

HRMW does not contain any amines.

## Recommended Uses

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For maintaining the brightening action of all RichardsApex Hot Rolling Compounds.

For removing the copper oxides from the copper in the cleaning section of the continuous mill. Use a concentration of 2% - 4% by volume of HRMW in water.

## Dilution Mixture

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Approximate volume of HRMW and Water needed to make 1,000 gallons or 1,000 liters of Ready-to-Use Emulsion

PERCENT CONCENTRATION (By Volume)	1%	2%	3%	4%	5%
Percent Active Concentration by Gas Chromatography	0.7%	1.4%	2.1%	2.8%	3.5%
HRMW Conc. Cleaner	10	20	30	40	50
Water	990	980	970	960	950

## Specifications

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Density	0.90 kg/L	8.3 lbs/gal
Flash Point (C°/F°)	20.6°	69°