



## HRM32 COMPOUND

---

RichardsApex HRM32 is an alcohol-free, amine free, non-corrosive clear liquid formulated as a one-step brightener and cleaner to produce clean, bright, oxide-free continuous copper rod. The unique blend of metal brighteners and cleaners allows HRM32 to be used in the bar-prep, mill emulsion and quench pipe in conjunction with or to completely replace IPA.

### Benefits

---

- Amine-free and compatible with alcohol
- Dramatically reduced alcohol costs
- Improved brightening ability due to low evaporation rate
- Lower consumption and greater value per liter
- Reduced tank side additions
- One-step process for brightening and cleaning

### Recommended Uses

---

For removing copper oxides from copper rod:

- Maintain concentration in the bar prep area 1 – 3% by volume of HRM32.

- Maintain concentration in the mill emulsion 0.5 – 2% by volume of HRM32.

- Maintain concentration in quench pipe 1 – 4% by volume of HRM32.

Used as an "in-line" quench media for pierced copper shells to prevent oxide formation and eliminate the need for acid pickling.

Used as a quench media for tubes after hot extrusion.

### Specifications

---

Density	0.99 kg/L	8.3 lbs/gal
pH 3% Solution in DI	10.4	