



TUBEFORM 470

TUBEFORM 470 (formerly **LS-N-359**) is a semi-synthetic micro-emulsion that was designed and formulated for tube mill operations. **TUBEFORM 470** offers excellent corrosion protection for a wide variety of metals, including galvanized, galvalum, aluminized, aluminum, cold and hot roll steel, and yellow metals. It is operator-friendly and very stable in a variety of waters. **TUBEFORM 470** has excellent cooling characteristics that allows for the efficient dissipation of heat during the welding phase of production. An advanced preservative package ensures that all tube mill equipment surfaces and coolant lines remain free from accumulation of fungus and mold.

USAGE

TUBEFORM 470 is designed to be used at dilutions between 9:1 (10%) and 19:1 (5%) with tap water for tube mill operations. Add **TUBEFORM 470** to water with agitation to form a stable micro-emulsion.

PHYSICAL CHARACTERISTICS

Density	1.01 g/ml 8.4 lbs/gal
Appearance	Amber Liquid
Odor	Bland
pH at 10% (9:1) dilution	Typically 8.9 to 9.2
Refractive Index (freshly diluted)	7.0 @ 4:1 3.5 @ 9:1 2.3 @ 14:1 1.8 @ 19:1
Refractive Index Factor	Volume % = 2.85 x RI

BENEFITS

- **Does Not Contain Hazardous Ingredients**
- **Provides Excellent In-Process Corrosion Protection**
- **Resists Attack by Bacteria, Yeast and Fungi**
- **Has Low Foaming Characteristics**
- **Will NOT Form Sticky Deposits on Equipment**
- **Is Easy to Remove With Aqueous Cleaners**
- **Has Good Weld-Through Characteristics**
- **Has Achieved Excellent Operator Acceptance**

TECHNICAL SUPPORT

TOWER wants to assist you in evaluation and selection of suitable products. We urge you to take advantage of this service. This information sheet and **TOWER's** assistance, however, are not a substitute for your own testing and evaluation. 06114