



## TDSTDL1 COMPOUND

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RichardsApex, TDSTDL1 is a white, free flowing liquid, immediately dispersible in water. TDSTDL1 is unaffected by hard or soft water, possess high lubricating properties and produce emulsions that are very stable.

### Benefits

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Exceptionally fast wetting

Noncorrosive and nonstaining to copper

Very low foaming

Inhibited against rancidity

Excellent resistance to the formation of copper soaps and sludges

Very high film strength

Exceptionally easy to remove from the finished metal by means of a mild alkali cleaner

### Recommended Uses

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#### Drawing Nonferrous Tubing

Use 1 part of TDSTDL1 to approximately 10 - 20 parts of water depending on the size of the tubing.

#### Drawing Copper & Brass Tubing

Heavy - Use 1 part of TDSTDL1 to 10 parts of water or 4% "fats and oils" determined by Babcock Test.

Intermediate - Use 1 part of TDSTDL1 to 20 parts of water or 2% "fats and oils" determined by Babcock Test.

#### Quench Systems

Use 1% fat emulsions in system for quenching after extrusion.



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Use 1 part of TDSTDL1 to 5 - 20 parts of water.

Amount of Volume of TDSTDL1 needed to make 1,000 Gallons or Liters of Ready-to-Use Emulsion

Fat Concentration	1%	2%	3%	4%	5%
TDSTDL1	27	54	81	108	136
Water	973	946	919	892	864

Density	0.93 kg/L	7.75 lbs/gal
Appearance	Viscous Homogenous Fluid	