

PRODUCT DATA



www.RichardsApex.com

Phone: 215-487-1100

TDS-TDL1 COMPOUND

RichardsApex TDS-TDL1 - is a white, free flowing liquid, immediately dispersible in water. **TDS-TDL1** is unaffected by hard or soft water, possess high lubricating properties and produce emulsions that are very stable.

BENEFITS:

- 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:

Drawing Nonferrous Tubing

Use 1 part of TDS-TDL1 to approximately 10 - 20 parts of water depending on the size of the tubing.

Drawing Nonferrous Wire

Heavy - Use 1 part of **TDS-TDL1** to 10 parts of water or 4% "fats and oils" determined by Babcock Test.

Intermediate - Use 1 part of **TDS-TDL1** 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.

Machining Ferrous & Nonferrous Metals – Use 1 part of TDS-TDL1 to 5 - 20 parts of water.

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DILUTION MIXTURE

Gallons of **TDS-TDL1** needed to make
1,000 Gallons of Ready-to-Use Emulsion

FAT CONCENTRATION	1%	2%	3%	4%	5%
TDS-TDL1	27	54	81	108	136
WATER	973	946	919	892	864

TYPICAL SPECIFICATIONS:

Specific Gravity	0.93
Free Fatty Acid	8.2%