



## TDSKS COMPOUND

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RichardsApex, TDSKS is a water-soluble paste form product formulated for drawing both ferrous and nonferrous metals. This product's combination of saponifiable fats and oils, fortified with mild extreme pressure additives, afford excellent lubricity.

### Benefits

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Forms extremely stable emulsion  
High versatility for multiple metals and applications  
Excellent lubricity properties

### Recommended Uses

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#### Steel Tube Drawing

TDSKS is recommended to be used over a phosphate surface for best results.

When using TDSKS as a dry film lubricant use at 1 part of TDSKS with 3 to 5 parts of water. For dip application, maintain the emulsion at a temperature of approximately 57°C (135°F) for faster drying.

#### Drawing Copper & Brass Tubing

Mix 1 part of TDSKS with 8 parts of water. Apply the emulsion by pumping. For dip tank application, use a leaner dilution.

#### Steel, Brass And Copper Sheet Stock

Mix 1 part of TDSKS with 4 parts of water. For light draws of thin gauge metal for heat exchangers, mix 1 part of TDSKS with 15 parts of water. The concentration of the TDSKS can be varied according to the severity of the drawing operation.

#### Tube Rolling

For rolling tube ends into tube sheets.



#### *Application*

May be accomplished by dipping the expander itself into the TDSKS (for small size expanders) or may be applied directly to the inside of the tube ends by hand or by means of a small grease gun.

#### *Removal*

Any excess of TDSKS is easily removed by hand wiping or the residue will be completely removed during boil-out operations before the boiler is placed in service.

#### *Advantage*

Equally effective for rolling condenser tubes, boiler tubes and heavy wall cracking-still tubes in refining equipment.

### **Specifications**

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Density	0.95 kg/L	7.9 lbs/gal
Appearance	Stiff Paste	