

PRODUCT INFORMATION

GENERAL PURPOSE, RUST PREVENTIVE CONCENTRATES

This product line consists of rust preventive concentrates that deposit an oil film. When diluted, these films are suitable for transit and indoor storage of parts. The corrosion inhibitors in the concentrates are design to protect ferrous and non-ferrous materials.

TECTYL® 282 and **TECTYL® 482** are designed to be diluted in aliphatic solvents (mineral spirits) for optimal performance.

TECTYL® 810 is designed to be diluted in water and provides excellent lubricity for a variety of industrial metalworking fluid formulations.

LABORATORY DATA (CONCENTRATES)	282	482	810
Liquid Appearance	Amber		
Film Type	Oily		
Flash Point	192°F	180°F	325°F
Weight Per Gallon	7.41	7.70	7.70
API Gravity	27	20.5	20.3
Specific Gravity	0.89	0.925	0.925
Viscosity	55 cSt @ 100°F	444 cSt @ 100°F	56 cSt @ 100°F
Non-Volatile by Weight	>99%	>99%	90.7%
Non-Volatile by Volume	>99%	>99%	90.3%
V.O.C. (lbs/gal minus water)	0.83	0.65	0.72
Removal	Alkaline Cleaner		

LABORATORY DATA (DILUTION)	TECTYL® 282 (25% solids in mineral spirits)	TECTYL® 482 (34% solids in mineral spirits)	TECTYL® 810 (10% solids in water)
Film Thickness	0.10 mils	0.10 mils	0.05 mils
Coverage (sq.ft/gal)	2,250	12,832	31,438
Emulsifiable	No	No	Yes
Water Displacing	Yes	Yes	No
5% Salt Spray (Hours) ASTM* B-117 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	96	72	144
100% Relative Humidity (Hours) ASTM* D-1748 @ Recommended DFT (2x4x1/8 in. Polished Steel Panels)	2,000	2,000	1,200

TECTYL® 282 is designed to be diluted to 25% solids with mineral spirits. Daubert Chemical Company recommends that the product temperature be 50-95°F (10-35°C) at time of application. **TECTYL® 282** is commonly applied by dip.

After 25% Solids in Mineral Spirits

Non-Volatile % by Weight	17 ± 1
Non-Volatile % by Volume	14 ± 1
V.O.C. (lbs/gal)	6.3
Cure Time	2 - 3 hours

TECTYL® 482 is designed to be diluted to 34% solids with mineral spirits. Daubert Chemical Company recommends that the product temperature be 50-95°F (10-35°C) at time of application. **TECTYL® 482** can be spray, dip, brush, or flush applied.

Additional Tests

Results

Falex, 2,000 pound load	Pass
Shell 4-Ball	0.5 mm Scar

TECTYL® 810 is primarily applied in water emulsions in 5 to 25 percent concentrations. Proper concentration of **TECTYL® 810** should be evaluated before implementing its use. **TECTYL® 810** may be used in recirculating systems at 40-120°F (4-49°C). When mixing, always add the oil to the water with both temperatures at 70-90°F (21-32°C).

After 10% Solids in Water

Recommended Dry Film Thickness over Metal Profile	0.05 mils
Theoretical Coverage @ Recommended DFT	31,438 sq.ft/gal
Falex, 3,500 pound load	Pass

*ASTM (American Society for Testing and Materials)

Please Refer to SDS or Contact Daubert Chemical Company for Additional Information

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