



P-CTSP

PRODUCT DATA SHEET

1/10/22

P-CTSP (PETROCHEM - COIL TUBING, SQUEEZE & PLUG)

TECHNICAL DATA

- **P-CTSP** is a pre-blended powdered additive for use in Squeeze & PTA cementing application via Coil Tubing.
- **CTSP** contains a proprietary blend of powdered (Fluid-Loss, Dispersant, and Strength additives) for use in low to high temperature cement slurries <350°F that can be mixed with either fresh or sea water.
- **P-CTSP** can either be pre-dissolved in the mix water or dry blended in the cement.
- **P-CTSP** is compatible with all API classes of cement & cement additives including silica flour, slag and fly ash.
- For extended thickening times, **P-SRL** (Synthetic Retarder Liquid) may be used.

PROPERTIES

- Appearance: Tan (Powder)
- Specific Gravity: 2.35
- Temperature Range: <350°F

RECOMMENDED TREATMENT

- A typical cement slurry using **P-CTSP** mixed with any API class "H" cement at a concentration of 50 lbs. (1 x 5 Gal. Pail) per 2,000 lbs. (Super Sack) of cement
- At a mix water of 4.3 GPS and a cement slurry weight 15.2 PPG @ ~160°F the slurry will have a fluid-loss of ~100ml/30 minutes. The Slurry yield equals 1.16 CUFT/SK (94 LBS/SK) or 4.40 Barrels of slurry/2,000 LBS of cement or ~25 CUFT, (Slurry density: 15.2 ppg).

PACKAGING

- **P-CTSP** is packaged in 50 lb. Sacks & 5 Gallon (50 lb.)Pails.

SAFETY

- Read the SDS before use.



FIELD MIXING PROCEDURE

- Fill a clean mixing tank with 92 gallons of fresh water and begin mixing vigorously.
- Add **P-SRL** (Synthetic Retarder Liquid) and/or **P-DFL** (De-Foamer Liquid) as required and continue mixing vigorously.
- Slowly add 50 lbs. (1 x 5 Gal. Pail) of **P-CTSP** and continue mixing vigorously until fully dispersed.
- Slowly add 2,000 lbs. (21.28 sacks) of Class “H” cement while mixing vigorously for a homogenous slurry blend.
- Slurry yield = 1.16 CUFT/SK (94 LBS/SK) or 4.40 Barrels of slurry/2,000 LBS of cement or ~25 CUFT, (Slurry density: 15.2 ppg).
- Water requirements are 38% BWOC (4.3 GPS) of Class “H” cement or 92 gallons/2,000 lbs. of cement

P-SRL (*SYNTHETIC RETARDER LIQUID) GUIDE FOR USE <300°F

TEMPERATURE (°F)	RETARDER OZ / TON	THICKENING TIME	COMPRESSIVE STRENGTH (HRS.)		
			PRIMARY SET	600 PSI	2100 PSI
90-115	NONE	3:00-4:00	8 hr.	16 hr.	24 hr.
115-130	36	3:30-4:00	6 hr.	12 hr.	24 hr.
130-145	44	3:30-4:00	10 hr.	12 hr.	24 hr.
145-160	46	3:30-4:00	9 hr.	11 hr.	24 hr.
160-175	55	3:30-4:00	8 hr.	12 hr.	24 hr.
175-220	114	3:30-4:00	11 hr.	13 hr.	24 hr.

*** THICKENING TIMES SHOWN IS A GUIDE THAT REQUIRES API TEST CONFIRMATION.**