



# P-RA

## CEMENTING SERVICE BULLETIN

09/06/18

### P-RA (PETROCHEM – RETARDER AID)

#### TECHNICAL DATA

Most retarders can achieve an extended upper range by ~25% with the addition of P-RA. For example, Liquid Retarder P-TCRL or P-SRL can be used to provide cement systems with optimum thickening times from ~175°F to ~400°F (~79° to ~200°C) BHST.

P-TCRL or P-SRL effectively retards all API cements and is compatible with all cement additives. It has a slight dispersing action with most cement which results in some degree of thinning of the cement slurry. P-TCRL or P-SRL can be used in slurries prepared with either fresh water or seawater.

The principal, immediate hazards are indicated in the P-RA - SDS. Complete information on health and safety hazards, protective equipment, handling precautions, environmental hazards and disposal is listed in the current SDS.

#### FIELD MIXING PROCEDURES

Up to 0.7 lbs. P-RA can be dissolved in one gallon of P-TCRL or P-SRL by using agitation. If additional amounts are required, they must be added to the mix water.

<u>PRODUCT</u>	<u>FORM</u>	<u>SP.GR.</u>	<u>PACKAGING</u>
P-RA	WHITE GRANULE	1.73	50 LB/Sack