



**HYBRID CHEMICAL  
TECHNOLOGIES**

# ACID VISCOSIFIER

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## HAV-46

HAV-46 is a cationic charged friction reducer which is capable of building viscosity in hydrochloric acid systems. The friction reduction assists with treating pressures and the viscosity retards spend rate for an enhanced acid treatment on the formation.

## APPLICATION

HAV-46 is typically used between 0.1 and 1%, depending on the desired viscosity.

## PROPERTIES

**Appearance** Pink Emulsion

**SG** 1.04

**Odour** Mild

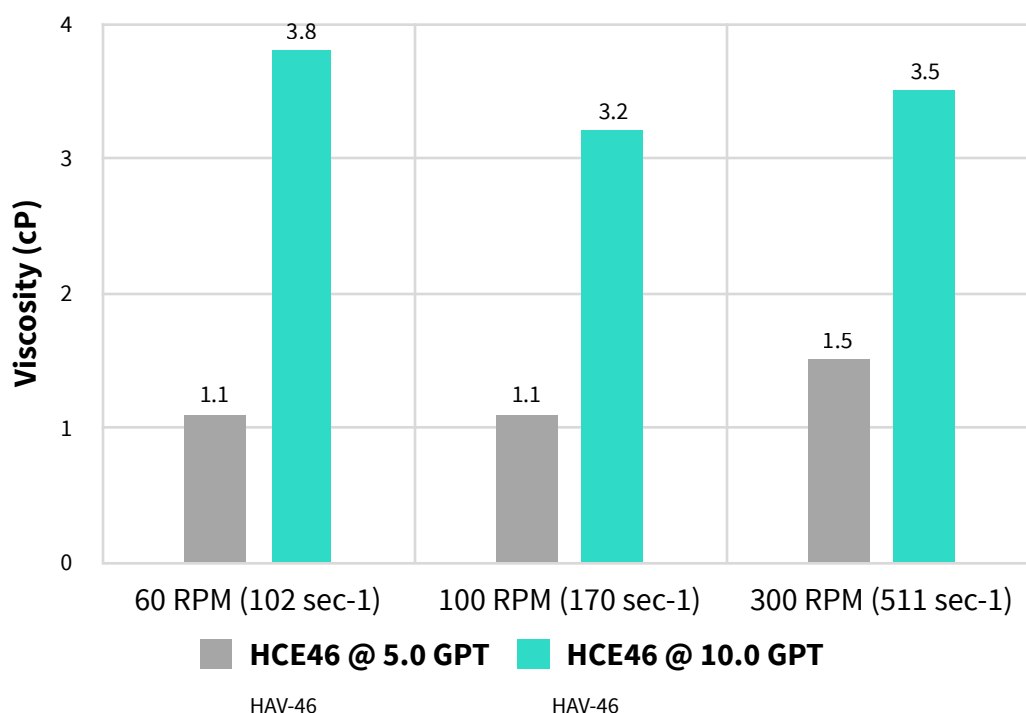
**Charge** Cationic

## HANDLING & STORAGE

Handle wearing appropriate PPE. Ensure adequate ventilation. Refer to SDS for more information.

## PERFORMANCE

### FR Viscosity Data in 15% HCl



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