



**HYBRID CHEMICAL  
TECHNOLOGIES**

# ACID VISCOSIFIER

---

## HAV-1

HAV-1 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-1 is typically used between 0.1 and 1%, depending on the desired viscosity. HAV-1 may also be blended into a liquid slurry if desired.

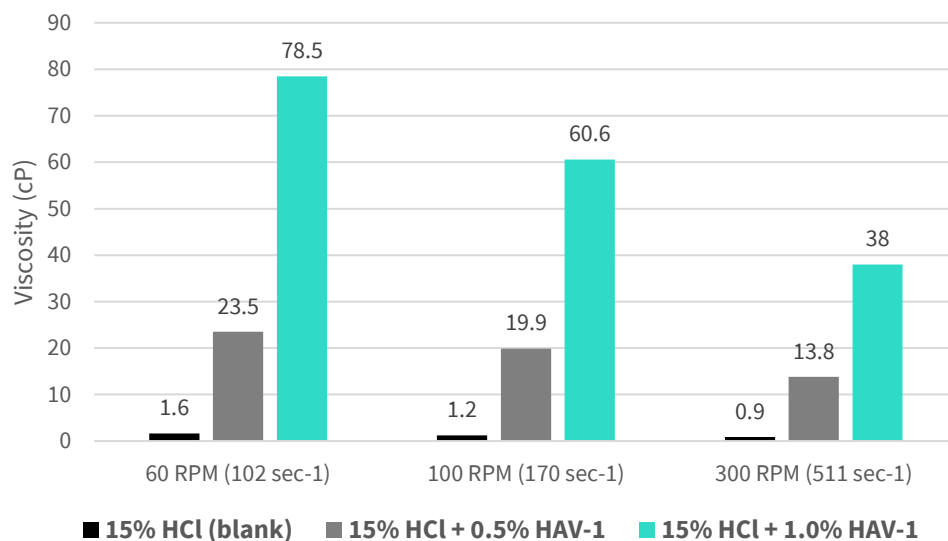
## PROPERTIES

<b>Appearance</b>	White Powder
<b>Odour</b>	Mild
<b>Charge</b>	Cationic
<b>pH</b>	6-8

## HANDLING & STORAGE

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

## PERFORMANCE



Information is provided for general purposes only and is believed to be accurate at the time of publication. Hybrid Chemical Technologies and its affiliates do not make any warranties or representations of any kind regarding the information and disclaim all express and implied warranties or representations to the fullest extent permissible by law, including those of merchant ability, fitness for a particular purpose or use, title, non-infringement, accuracy, correctness or completeness of the information provided herein. All information is furnished 'as is' and without any license to distribute. The user agrees to assume all liabilities related to the use of or reliance on such information. HYBRID CHEMICAL TECHNOLOGIES SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO ITS NEGLIGENCE.