

LAST UPDATED: June 30, 2025

# ACPC21350A

## Paraffin / Asphaltene Cleaner

### General Description

ChampionX's ACPC21350A is a concentrated organic deposit remover and cleaner used to remove paraffinic and asphaltenic deposits, schmoo, and sludge from well tubing, downhole pumps, flowlines, vessels, separators and storage tanks.

### Features

- For optimum results, use ACPC21350A in combination with water.
- Contains a low-foaming surface-active agent with cleaning and wetting properties that penetrate and creep under deposits, enhancing the dissolver's efficacy.
- Specially developed to avoid interference with oil/water separation systems such as skimmers and API units.
- Highly effective as an emulsion breaker for sludge and slop oils.
- High flashpoint, close to neutral pH.

### Benefits

- Provides an environmentally acceptable solution that is safe and effective for removing sludge and deposits.
- Increases oil production and helps prevent under-deposit corrosion by effectively clearing organic buildup and schmoo that restrict oil flow.
- Reduces time, chemical volume, and costs associated with deposit removal operations.
- Creeps up surfaces, making it effective even in pipeline sections not originally fully wetted by the treatment.

### Principal Applications

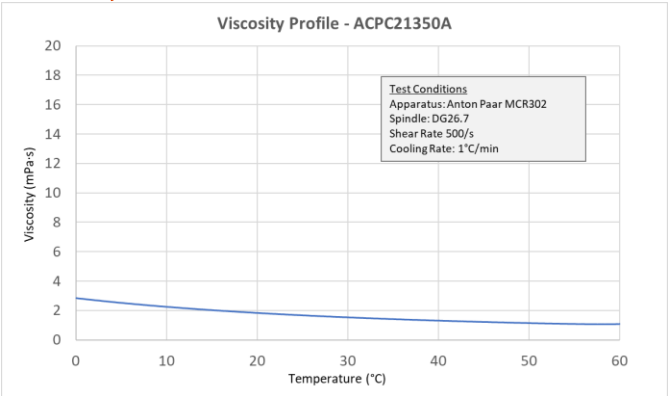
ACPC21350A should be used as an alternative to aromatic solvent-based removers and cleaners to effectively remove sludge and deposits from oil production and treatment facilities.

ACPC21350A is also an excellent choice for cleaning oil production and treatment facilities prior to decommissioning.

### Physical Properties

Property	Value
Appearance	Clear Colorless to Light Yellow Liquid
Specific Gravity (25°C)	0.81 - 0.84
pH (5% 1:1 IPA/Water)	8.6 - 10.6
Viscosity, cPs (20°C)	< 30 cPs
Solubility	Emulsifiable with Water
Flashpoint	≥66°C

### Viscosity Data Chart



## Feeding and Dosage

For optimum performance, ACPC21350A should be applied in combination with water. There are two main application methods.

- **Neat Application as Pretreatment:** Apply ACPC21350A directly, allowing it to soak as a pretreatment before rinsing with water or steam. Soaking time depends on the thickness and age of the deposits.
- **Premixing with Water:** Mix ACPC21350A with water before use to activate the product. This approach significantly reduces the required volume of chemical, thereby decreasing treatment costs.

When premixing, the optimal dilution ratio should be determined by laboratory evaluation, but typically ranges from 10–40% v/v in seawater, formation water, or fresh water. While ACPC21350A is not soluble in water, it will form an emulsion when mixed. If the correct ratio is used, the emulsion will be relatively unstable and clean water will separate after dewaxing.

## Cleaning Methods

The cleaning production equipment with the mixture of ACPC21350A in water can be carried out by either static or dynamic treatment:

- **Static Treatment:** Fill the tubing or flowlines with the ACPC21350A/water mixture and allow it to soak. Soaking time depends on deposit thickness and age.
- **Dynamic Treatment:** This method is generally more effective. Review your production facilities and the specific issue to determine the required quantity for optimal performance. Typically, a pill of 1,500 to 2,500 litres of the ACPC21350A/water mixture should be injected into a production or transport line. To move

the dissolver batch through the pipelines, use a pig—either in front of one pig or trapped between two. Many pig designs are available for this purpose.

- **Tanks and Vessels:** Circulate the ACPC21350A/water mixture until all deposits are dispersed, then drain the tank before rinsing with water or steam.

The effectiveness of ACPC21350A in water can be significantly improved by preheating the mixture (to approximately 40–50°C) and/or using re-circulation.

Your ChampionX Representative can assist in developing a cleaning program tailored to your system requirements.

## Material Compatibility

For material compatibility, please refer to the ChampionX materials suitability guidelines or contact your local representative to obtain this information.

## Shipping, Handling, and Storage

Read the label and Safety Data Sheet (SDS) for complete handling information before using or storing this product. This material can be shipped in a variety of containers including drums, returnable totes and/or in bulk. Contact your ChampionX representative for shipping options and net container weights.

## Safety and Environmental

Please refer to SDS for additional product details. In an emergency, please contact:

- Chemtrec USA at 1-800-424-9300
- Chemtrec Canada at 1-703-741-5970
- Chemtrec EH at 1-703-741-5970

## Contact Information

If you need assistance or information, please call your ChampionX representative or visit [www.championx.com](http://www.championx.com).

### **Disclaimer**

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