

Downstream Chemicals
Process Treatment

Chloride Salt Control (CSC)

Improve reliability, throughput, and profitability in refinery process streams

BENEFITS

- Fouling and corrosion control to improve throughput and reliability
- No unplanned down time to clean or repair equipment
- CSC provides immediate performance feedback, so there is no need for extended trials
- CSC helps manage salting as tower top temperatures are lowered so you can maximize distillate production
- Leverage existing injection points in many cases
- Increased revenue due to extended run times and improved asset capability

Overview

Halliburton acknowledges that refiners strive to enhance throughput and reliability, as these improvements directly impact profitability. However, chloride salts present challenges in many refinery units. This limits the ability to achieve operational goals.

Chloride salt control (CSC) technology is a high-base strength chemistry designed to remove and prevent salt formation in refinery process streams. Unlike alternative technologies that disperse or relocate harmful salts, CSC creates a non-fouling, non-corrosive liquid salt.

In salt removal applications, CSC displaces other bases from existing deposits. This process allows it to form its own salt. As a chloride scavenger, CSC selectively forms a salt with the chloride ions and replaces harmful ammonium chloride and amine hydrochloride salts. The result is a salt from CSC technology that offers multiple advantages due to its low corrosivity and excellent mobility. Refiners can improve reliability, maximize unit flexibility, and enhance throughput and profitability.



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