



# Scale inhibition

APPLICATION PROFILE

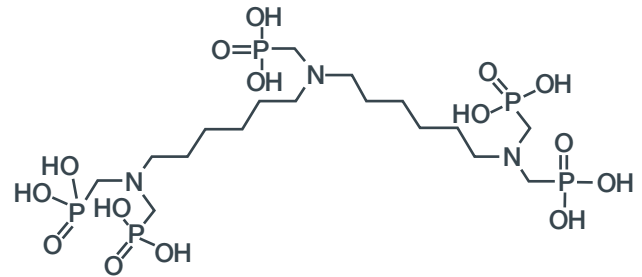


Ascend's FlexaTram™-DAM, FlexaTrac® acids, Hexatran™ and their derivatives provide excellent protection against common scales: calcium carbonate / calcite ( $\text{CaCO}_3$ ), calcium sulfate from gypsum ( $\text{CaSO}_4$ ), barium / barite ( $\text{BaSO}_4$ ) and strontium sulfates / celestite ( $\text{SrSO}_4$ ).

## FLEXATRAM-BHM AND DERIVATIVES

Phosphonates and salt

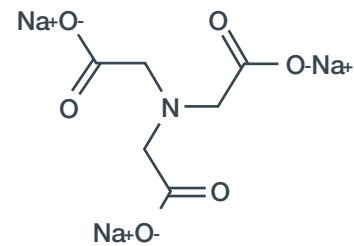
- Effective against calcium / magnesium carbonate, calcium / barium / strontium sulfate and iron scales
- Effective at low pH (1-2)
- High calcium ion tolerance at a wide pH range and high temperatures ( $120^\circ\text{C}$ )
- Good water solubility
- Typical dosage is 100-1000 ppm



## FLEXATRAC-NTA-100 AND BLENDS

Aminopolycarboxylate

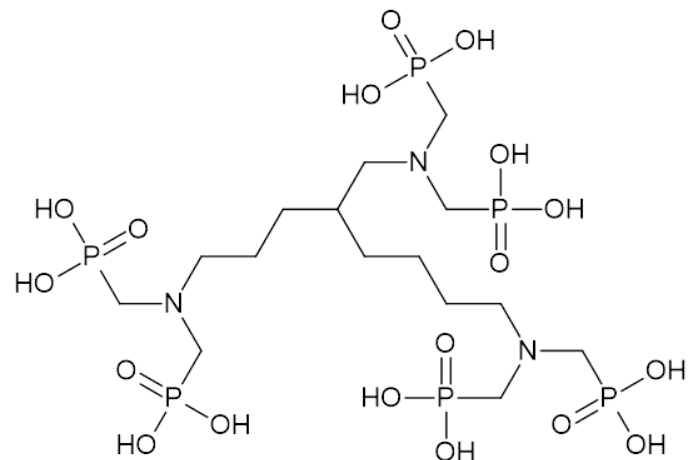
- Prevents iron sulfide scaling
- Drop-in replacement for EDTA
- Iron / calcium chelation for water treatment
- Optimal performance in mid-to-low temperatures
- Dissolves iron when used in stoichiometric amounts
- Typical dosage is 100-1000 ppm



## HEXATRAN AND DERIVATIVES

Phosphonates and salt

- Brand new chemistry under development



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