



CSES-A300

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: Mineral Salts Dissolution-Microbiocide Combination

CSES-A300 is a unique combination of two new classes of chemistries. The first is an acid alternative that targets only mineral deposits with the efficacy of hydrochloric acid. Even with this ability, it carries a Triple-Zero HMIS rating, which means it is non-flammable, non-corrosive, non-toxic and non-irritating. The second is THPS [tetrakis(hydroxymethyl)phosphonium sulfate]. THPS represent a completely new class of antimicrobial chemistry that combines superior antimicrobial activity with a relatively benign toxicological profile. THPS's benefits include low toxicity, low recommended treatment level, rapid breakdown in the environment and no bioaccumulation. Finally, it does not contain volatile organic compounds and because it is halogen free, it does not contribute to the formation of dioxin or absorbable organic halides. CSES-A300 also incorporates a nano-surfactant that significantly improves penetration capability of the dissolution chemistry and synergistically enhances the biocidal activity of the THPS.

FEATURES

- Effective on a wide range of scales, including sodium, calcium and magnesium based
- Nano-surfactant synergistically enhances the biocidal activity of the THPS
- Particularly Effective on Iron Sulfide
- Environmentally Friendly
- Easy-to-Feed Liquid
- Effective on wide range of bacteria including SRB's and biological slimes/deposits
- Nano-surfactant significantly improves the penetration capability of dissolution chemistry.
- Miscible in all waters including salt water
- Readily Biodegradable (OECD 306)
- Safe to Handle and Feed

TYPICAL PHYSICAL PROPERTIES

- Physical StateLiquid
- Color Clear to Pale Yellow
- Boiling Point100°C / 212°F
- Flash Point..... N/A
- Specific Gravity.....1.28-1.32 g/ml
- Density~10.8 lbs/gal
- pH 2.5
- Solubility in Water..... Miscible
- Biodegradability Readily (OECD 306)
- Freeze Point-20°C

PACKAGING

CSES-A300 is shipped from Regional Distribution sites in 5, 55 and 275 gallon containers. Custom packaging is available upon request. Bulk quantities are available.