

Product Bulletin

House Calls for Industrial WasteWater

Aquapure™ CPS Product Code: 2601116
Revised Date: May 16, 2017

Aquapure™ CPS

Aquapure™ CPS (calcium polysulfide solution) is a water based lime-sulfur solution designed to be used in various treatment systems as a metal precipitating agent.

Soluble toxic metals, such as: chrome, lead, arsenic, cadmium and copper, as well as other heavy metals need to be removed due to regulations in effluent. Geochemical fixation using a chemical reducing agent such as Aquapure™ CPS converts the soluble toxic metals into insoluble non-toxic compounds

FEATURES AND BENEFITS

- It provides soluble sulfide precipitation of heavy metals for easy, low cost treatment
- It precipates chelated metals, avoiding a separate process
- It reduces mercury in waste streams to low parts per billion
- It produces its own flocculant, reducing treatment costs
- It is versatile and can be adapted to enhance existing treatment systems
- It has a ANSI NSF Standard of 60 for drinking water

TYPICAL APPLICATIONS

Used in chemical precipitation systems for the reduction of metals:

Arsenic

Lead

Copper

Zinc

Cadmium

Molybdenum

Uranium

<u>APPLICATION PARAMETERS</u>

Effective treatment may be obtained with system pH near 4.0, Hubbard Hall has found that **Aquapure™ CPS** is most stable in systems with pH greater than 7-8 to avoid potential generation of H2S.



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PHYSICAL PROPERTIES

Active ingredient	27-29%
Specific gravity	
Solubility in water	
Appearance and odor	red with slight sulfide odor
pH	
Flash point	no flash point

DO NOT FREEZE

WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.