



## TECHNICAL DATA SHEET

### PROPERTIES AND MODE OF ACTION

**STOPSCALE™** is a scale inhibitor for frequent use in various industries. It can be used in oil wells, equipment, pipes, valves, pumps, boiler mixers, heat exchangers, pipelines and other devices and accessories. **STOPSCALE™** is a plant-based extract, it is biodegradable, it does not have chemicals, toxic components or heavy metals, and it comes from a plant that is a renewable material.

**STOPSCALE™** is based on aloe polysaccharides, enzymes, amino acids and anthraquinones that interact with divalent ions that cause scale such as Ca ++, Mg ++, Sr ++, Fe ++ and Mn ++.

Polysaccharides have inhibition mechanisms especially directed to the nucleation changes of calcium carbonate crystals. In the aloe polysaccharides present in **STOPSCALE™**, the scale-inhibiting action comes mainly from galactose and mannose present in the product. The natural polymer formed by aloe offers excellent results for calcium carbonate scale inhibition and an inhibition effectiveness rate of 95.62% according to various studies.

The product offers various properties

- ✓ Scale inhibitor of calcium carbonate and sulfate and barium sulfate
- ✓ Biological product with 99.8% of material of natural origin and from renewable resources
- ✓ Reduces the environmental impact of industry operations
- ✓ Free of phosphoric content
- ✓ It does not affect sea, lakes aquifers, rivers, streams, ponds or water reservoirs
- ✓ Suitable for use at high temperatures and high water hardness
- ✓ Eliminates the tedious process of mixing and pre-preparation of powders or granules
- ✓ They do not generate dirt or create handling risks or safety risks such as powdered polymers
- ✓ The product is manufactured with sustainable technologies
- ✓ It is safe for staff
- ✓ Excellent performance compared to synthetic chemicals

### INSTRUCTIONS FOR USE

- The product is formulated to inhibit scale. It is applied as any other scale inhibitor, both for corrective or preventive use.

## STOPSCALE™

### MANUFACTURER

Manufactured in Mexico for  
Aloetrade America LLC  
7676 NW 186th St, Ste 212,  
Miami, Fl, 33015, USA

### COMPOSITION

Proprietary formula based on extracts of aloe (Aloe Barbadensis Miller and Aloe Chinensis), nopal cactus, chitosan, thickeners, preservatives. The product is a biological antioxidant with 99% of material of natural origin and from renewable resources.

### PHYSICAL & CHEMICAL PROPERTIES

Appearance and color: clear green liquid.  
Odor: strong vegetable smell.  
pH: 3.6/4.6  
Flashpoint: N/A.  
Relative Density: 1.005 to 1.010  
Solubility in water: complete

### TOXICITY

It is not a toxic product. It does not create bioaccumulation. Neither polluting for humans nor plant, animal or aquatic world species.  
Biodegradable according to OECD 301.

### RECOMMENDED DOSE

It depends on industry and specific case.

Please consult with our Technical Department.

### STORAGE AND TRANSPORTATION CONDITIONS

Keep the product in a cool and dry place, away from sources of heat, direct fire or sources of ignition. **DO NOT EXPOSE TO THE SUN. Recommended storage temperature: 20° C.**

**PRODUCT PRESENTATION:** Drum 55 gal - 200 Lts. – IBC Tote of 1,000 Lts.