

DRAGALOE™:

Sustainable Drag Reduction for Oil & Gas

DRAGALOE™ is an innovative, all-natural, and biodegradable drag reducing agent. Formulated from long-chain polysaccharides derived from natural polymers, it's designed for efficient transport systems in the oil and gas industry.

This presentation will explore how DRAGALOE™ reduces frictional pressure, minimizes energy loss, and offers a green alternative to synthetic chemicals, enhancing sustainability in energy operations.





What is DRAGALOE™?

DRAGALOE™ is a proprietary formulation by Aloetrade America LLC, based on long-chain polysaccharides from aloe. It acts as a drag reducing agent in oil and gas transport systems, minimizing frictional pressure and turbulence within pipelines.

This helps decrease energy loss and improve flow efficiency. It's a simple, natural solution for pipeline drag issues, offering a sustainable alternative to synthetic products.

Natural & Sustainable

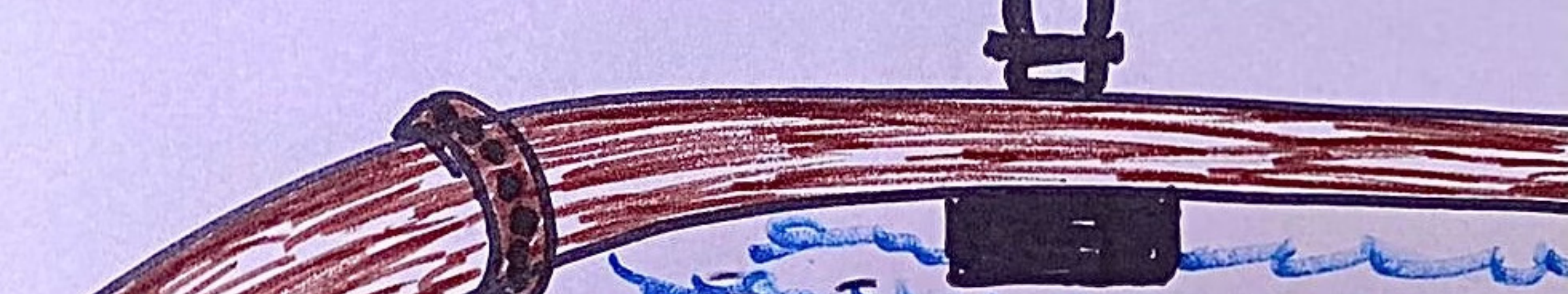
Derived from aloe, a renewable natural resource.

Reduces Frictional Pressure

Minimizes energy loss and turbulence in pipelines.

Eco-Friendly

A "green" alternative to polluting synthetic chemicals.



The Power of Natural Polymers

The natural polymer from aloe in DRAGALOE™ offers excellent mechanical properties, viscoelasticity, and thermal stability, with a molecular weight similar to synthetic polymers. Its main advantage is rapid and complete biodegradability.

This makes it a sustainable and environmentally protective product, sourced from natural and renewable origins. It's a combination of natural components, developed to be ecological and respectful of the environment for oil and gas operations.



Natural Origin

Derived from aloe, ensuring sustainability.



Biodegradable

Rapid and complete degradation, protecting the environment.



Similar Performance

Offers mechanical properties comparable to synthetic polymers.



Environmental Benefits

DRAGALOE™ is a "green" product, contrasting with synthetic chemicals that degrade the environment. Its use is environmentally favorable in all aspects, safeguarding water, land, and air from contamination.

In an era where energy companies prioritize business sustainability, DRAGALOE™ presents a highly attractive option for achieving environmental goals. It's a non-toxic solution that doesn't harm humans, plants, animals, or aquatic life.



Protects Water

No impact on aquifers, rivers, or reservoirs.



Preserves Land

No terrestrial toxicity or bioaccumulation.



Cleans Air

Reduces environmental impact of operations.

Product Features & Performance

DRAGALOE™ is a sustainable and green product designed for fluid transport in the oil and gas industry. It's a highly effective drag reducing agent for all transport systems and crude types, including light, medium, and heavy.

It enhances flow capacity and improves performance by reducing line pressure without diminishing duct capacity. This eliminates costs associated with intermediate pumping stations and resolves pipeline bottlenecks.

Key Benefits

- Increases flow capacity
- Reduces line pressure
- Eliminates pumping costs
- Minimizes energy consumption

Composition

- 99.8% natural origin material
- From renewable resources
- Fully biodegradable (OECD 301)
- Non-toxic and non-hazardous



Applications & Compatibility

DRAGALOE™ can be utilized in any transport system within the oil and gas industry. It is suitable for use at high temperatures and in hard water conditions, and is manufactured using sustainable technologies.

In oil and gas operations, DRAGALOE™ can be used in conjunction with other products from Aloetrade America LLC, such as NOCORGREEN™, STOPSCALE™, and ALOEFLOW™, ensuring broad compatibility and enhanced operational efficiency.



Versatile Use

Applicable in any oil and gas transport system.

High Temperature Tolerance

Effective in demanding thermal conditions.

Hard Water Suitability

Maintains performance in various water hardness levels.

Product Compatibility

Works seamlessly with other Aloetrade America products.



Product Properties

DRAGALOE™ is characterized by its amber to green liquid appearance and a distinctive vegetable odor. Its pH ranges from 3.0 to 5.0, and it has a relative density between 1.005 and 1.015.

It exhibits complete solubility in water and contains long-chain polysaccharides, which are key to its drag-reducing capabilities. These properties ensure its effectiveness and ease of integration into various systems.

Appearance & Color	Dark green liquid
Odor	Characteristic vegetable
pH	3.0 – 5.0
Relative Density	1.005 to 1.015
Solubility in Water	Complete
Polysaccharides Present	Long-chain polysaccharides



Dosage Recommendations

The suggested dosage for DRAGALOE™ ranges from 400 PPM to 1500 PPM, highly dependent on the type of product being transported, such as light or heavy crudes, liquefied gas, or refined fuels.

Operations can commence with an initial dosage of 500 to 1000 PPM, stabilizing to 400-800 PPM after 24-48 hours. For specific applications and optimal results, it is recommended to consult our Technical Department.

Initial Dosage

Start with 500-1000 PPM for initial operation.

Stabilization

Adjust to 400-800 PPM after 24-48 hours.

Consult Experts

Contact our Technical Department for tailored advice.



Product Presentation & Storage

DRAGALOE™ is available in 55-gallon (200 kg) plastic drums and 1000-liter plastic totes, designed for industrial use only. It is not for internal consumption.

Containers should be kept closed, and the lid must be removed when exposed to direct sunlight or temperatures above 25°C. The average storage temperature for optimal shelf life of 12 months is 20°C.

55

Gallon Drums

Standard packaging option.

1000

Liter Totes

Larger volume industrial supply.

20C

Storage Temp

Recommended average temperature.

12

Month Shelf Life

Product stability duration.