

**BROADTREAT™**

**ADVANCED SULFUR  
MANAGEMENT  
SOLUTIONS**

A safe, economical method  
for desulfurization and  
environmental protection.





## INTRODUCTION

Hydrogen sulfide (H<sub>2</sub>S) and mercaptans (thiols) are persistent challenges across industrial operations, impacting worker safety, environmental compliance, and asset integrity. These volatile sulfur compounds (VSCs) are not only hazardous at low concentrations but also contribute to offensive odors and accelerated corrosion—creating operational inefficiencies and increased treatment costs.

**BROADTREAT™** is a proprietary chemical technology designed to replace hazardous treatments with a non-toxic, non-corrosive solution that neutralizes volatile sulfur compounds (VSCs) —primarily H<sub>2</sub>S and mercaptans. By directly targeting these gases, **BROADTREAT™** effectively eliminates odors, reduces H<sub>2</sub>S toxicity, and prevents corrosion—delivering safer, more reliable operations with a safe-to-handle, industry-leading solution.

### PRODUCT

#### ADVANTAGES

- *Non-corrosive, non-toxic*
- *Eliminates odor*
- *Freezeproof to -40°C*
- *Cost-saving & materials compatible.*
- *Steam compatible (thermally stable to 250°C)*
- *Biodegradable & zero aquatic impact*
- *Non-regulated, non-dangerous good for transport under TDG.*




## ADVANTAGES & VALUE PROPOSITION

### Why Choose BROADTREAT™ Solution?

- ✓ **Next-Generation Safety Standard**  
Safest replacement alternative to hazardous triazine scavengers and caustic chemicals which reduces handling risks.
- ✓ **Industry-Leading Odor Abatement**  
Outperforms other non-toxic solutions in controlling and eliminating sulfur-based odors.
- ✓ **Advanced Materials Compatibility**  
Safely works with stainless steel, copper, plastic and other common industrial surfaces without causing corrosion or damage.
- ✓ **Significant Chemical Reduction**  
Can reduce chemical usage by up to 40x, lowering operational costs, storage requirements, and carbon footprint.
- ✓ **Superior Equipment Protection**  
Prevents corrosion in tanks, pipelines, and process equipment, extending asset life and reducing maintenance downtime.
- ✓ **Regulatory & Environmental Excellence**  
Simplifies compliance with safety and environmental standards, supporting ESG initiatives and sustainable operations.
- ✓ **Optimized for Safe Operations**  
Non-toxic, non-corrosive formulation that enhances workplace and environmental safety.
- ✓ **Certified Safety Leader**  
Kaliber Chemicals has developed and implemented a comprehensive occupational health and safety program, meeting the high standards of Energy Safety Canada's Partnerships in Safety program. This recognition reflects our ongoing commitment to protecting employees, contractors, and operations while maintaining industry-leading safety practices.



**Contact us today** to implement a tailored H<sub>2</sub>S and mercaptan treatment program for your operation.

 +1 (877) 525 - 4237

 [kaliberchemicals.com](http://kaliberchemicals.com)



## OIL & GAS

### Sour Fluid Hauling

Our advanced chemical technology provides the safest, most effective solution for transporting sour fluids—whether by truck, vacuum, or tank-to-tank transfers—by directly neutralizing H<sub>2</sub>S and mercaptans at the source. This non-toxic, non-corrosive, and safe-to-handle solution drastically reduces exposure risks for drivers and operators, eliminates offensive odors, protects critical equipment from corrosion, and supports regulatory compliance. The result is safer, more reliable, and more efficient fluid transport that lowers maintenance costs, minimizes downtime, and strengthens operational and environmental performance.

### Caustic Scrubbing Replacement

Our proprietary chemical technology provides the safest and most effective alternative to caustic and triazine-based scavengers, directly neutralizing H<sub>2</sub>S and mercaptans in gas sweetening, refinery, and production processes. Non-toxic, non-corrosive, and safe-to-handle, it eliminates hazardous chemical risks, reduces corrosion, and improves operational efficiency, all while supporting regulatory compliance and environmental stewardship. The result is a streamlined, cost-effective solution that protects personnel, preserves equipment, and sets the industry standard for odor control and sulfur compound management.



## OIL & GAS

### Heavy Oil Sweetening

Our advanced chemical technology offers the safest, highest-performing alternative for heavy oil sweetening, directly neutralizing  $H_2S$  and mercaptans in crude oil, refinery feedstock, and production operations. Non-toxic, non-corrosive, and free of triazine or TDG-classified chemicals, it reduces overall chemical usage by up to 50% while maintaining effective odor control and sulfur removal. The result is a safer, more efficient, and environmentally responsible solution that protects personnel, preserves equipment, minimizes downtime, and enhances operational performance across heavy oil processing.

### Midstream Operations

Our advanced chemical technology delivers a safer, non-toxic solution for managing  $H_2S$ , mercaptans, and other sulfur compounds across pipelines, storage tanks, and compressor stations. By directly neutralizing volatile sulfur compounds, it protects personnel, prevents equipment corrosion, and eliminates offensive odors while reducing chemical usage and handling risks. The result is a reliable, efficient, and environmentally responsible approach to midstream operations that safeguards people, infrastructure, and communities while supporting regulatory compliance and operational continuity.



## INDUSTRIAL

### Confined Space & Tank Cleaning

**BROADTREAT™** technology provides a safe, non-toxic, and non-corrosive solution for confined space and tank cleaning operations, rapidly neutralizing  $H_2S$  and mercaptans to create safer working conditions. By minimizing worker exposure to toxic and odorous gases and reducing reliance on harsh chemicals, it simplifies handling, lowers PPE requirements, and supports regulatory compliance. The result is a highly effective, environmentally responsible approach that protects personnel, streamlines operations, and ensures safe entry into high-risk environments.

### Transportation (Railcars & Vacuum Trucking)

**BROADTREAT™** provides a safe, non-toxic solution for transporting sour fluids, neutralizing  $H_2S$  and mercaptans throughout loading, transit, and offloading. By stabilizing volatile sulfur compounds in transit, it enhances driver and operator safety, reduces odor emissions, and improves fluid handling conditions—all while minimizing the need for additional treatment at destination sites. The result is a more reliable, efficient, and environmentally responsible approach to sour fluid transport that protects personnel, equipment, and surrounding communities.

### Caustic Scrubbing Replacement

**BROADTREAT™** provides the safest, most effective replacement for caustic and triazine-based scrubbing systems, directly neutralizing  $H_2S$ , mercaptans, and associated odors. Non-toxic, non-corrosive, and environmentally safe, it outperforms alternative chemistries in odor control while reducing chemical consumption, minimizing hazardous byproducts, and extending equipment life. The result is a safer, more efficient, and streamlined solution that simplifies operations, protects personnel and assets, and sets the industry benchmark for odor elimination.



## AGRICULTURE

### Agricultural Processing Plants

Our safe, non-toxic chemical treatment provides an effective solution for managing H<sub>2</sub>S and mercaptans in crop processing, ethanol and biofuel production, oilseed crushing, and fertilizer manufacturing. By neutralizing sulfur gases at the source, it reduces odors, protects equipment from corrosion, and enhances worker safety, all while maintaining product quality. The result is a cleaner, more efficient, and environmentally responsible approach that supports safer operations and improved facility performance.

### Livestock Manure Management

Our safe, non-toxic chemical treatment provides an effective solution for controlling H<sub>2</sub>S, ammonia, and other odorous gases in hog, pig, and poultry barns. By neutralizing these gases at the source, it reduces odors, protects worker health, minimizes respiratory irritation for animals, and supports a cleaner, safer, and more comfortable environment. The result is a proactive, efficient, and environmentally responsible approach that enhances barn operations while maintaining compliance and animal welfare.

### Composting & Anaerobic Digestors

Anaerobic breakdown in composting piles and digesters produces hydrogen sulfide (H<sub>2</sub>S) and mercaptans, which can create strong odors, accelerate equipment corrosion, and generate community complaints. Without effective control, these gases can compromise biogas quality and operational efficiency.

Our safe, non-toxic chemical treatment neutralizes sulfur gases at the source, complementing gas scrubbing, biofilters, and aeration. By reducing H<sub>2</sub>S and mercaptans, it protects equipment, improves biogas quality, enhances odor control, and supports better community acceptance, all while maintaining cleaner, safer composting and digestion operations.

## Serving Western Canada & Beyond

With a strong operational presence and distribution network, we deliver responsive service and dependable supply across key production regions.



### Head Office

Suite 1400, 550 6th Avenue SW  
Calgary, AB T2P 0S2



### Field Office

Yellowhead Business Center  
Suite B, 6209 - 44 Street  
Lloydminster, AB T9V 1V8



### Distribution Centers

- Red Deer, Alberta
- Thorsby, Alberta
- Grand Prairie, Alberta
- Shaunavon, Saskatchewan
- Midland, Texas



## SAFETY PARTNERS



ENERGY  
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complyworks

SiteDocs

## PROCUREMENT PARTNERS

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OpenInvoice

ENVERUS  
Workbench

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