

# HIGH-HAZARD MATERIALS MGMT.

## WHERE CONVENTIONAL HANDLING STOPS, WE BEGIN

Some chemicals are too volatile, sensitive, or unpredictable for conventional handling. These materials demand **specialized expertise, field stabilization**, and a **science-driven approach** to neutralization and removal. We deliver purpose-built solutions that transform high-risk hazards into safely managed waste.



### Risk-Informed. Science-Driven. Zero Margin for Error.

Every project begins with a comprehensive risk assessment that drives a custom response plan. Before any contact or movement occurs, we ensure the appropriate deactivation methods, PPE, containment tools, and transport controls are in place. Our chemists arrive field-ready with targeted neutralization agents and packaging selected specifically for the materials identified.

With **industry-leading response times**, we mobilize quickly to reduce downtime, maintain compliance, and keep your operations moving safely. When you partner with us, your risk becomes our responsibility.

## THE HAZARDS WE MITIGATE

- ✓ **Shock-Sensitive Compounds:** Picric acid, crystallized ethers, explosive salts
- ✓ **Pyrophoric Materials:** Alkali metals, metal alkyls, finely divided reactive metals
- ✓ **Peroxide-Forming Chemicals:** Ethers, tetrahydrofuran (THF), isopropyl ether
- ✓ **Water-Reactive Substances:** Sodium, acid chlorides, potassium hydride
- ✓ **Compressed & Toxic Gases:** Lecture bottles, corroded or unknown cylinders
- ✓ **Degraded Materials:** Deteriorated packaging, missing labels, legacy waste
- ✓ **Unstable Organic Compounds:** Organic peroxides, nitro compounds, azides



# FROM NEUTRALIZATION TO TRANSPORT, SAFETY AT EVERY STEP

## Onsite Neutralization & Stabilization



When materials are unsafe to ship in their current condition, our specialists perform onsite neutralization or inhibition using proven methods tailored to each compound's reactivity profile.

## Advanced Containment Techniques



For containers showing signs of pressurization, corrosion, or crystal formation, we utilize remote opening techniques and non-invasive access tools to maintain safe distance and eliminate ignition risks.

## Compliant Transportation



Stabilized materials are prepared and shipped in accordance with DOT specifications using approved containers and overpacks for safe, compliant transport.

## Chemical Fingerprint Analysis



We perform onsite fingerprint analysis of unknown or degraded chemicals, using reactivity screening and compatibility testing to identify hazards before stabilization begins.

## Trusted in Demanding Environments

- ✓ R&D Laboratories
- ✓ Legacy Storage Sites
- ✓ Forensic Facilities
- ✓ Decommissioning Projects



## From Volatile to Manageable

From scheduled cleanouts to urgent stabilization efforts, we deliver customized field strategies that turn high-risk hazards into safely managed waste. Whether neutralizing unstable liquids or stabilizing shock-sensitive solids, our expert teams bring precision and control to the most volatile situations.



**Tradebe USA | Turning high-risk chemicals into safe solutions**  
Scan to explore our Chemical Management Services or request a quote.

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