



Hazard Control Technologies, Inc.

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UNDERGROUND STORAGE TANK DEGASSING, DECONTAMINATION AND CLEANING

Allows for On-site Cutting and Scrap Iron Removal

HydroLock™ is a unique encapsulator agent formulation that renders flammable liquids and vapors inert. In addition, it also emulsifies hydrocarbon sludge and residue.

HydroLock in solution with water seeks out and surrounds various forms of hydrocarbons and forms a molecular bond around the hydrocarbon molecules. These encapsulated flammable liquids and vapors are reduced to an LEL of zero. HydroLock is batch mixed or proportioned into the water supply and may be sprayed, steamed, circulated, or left to stand in the vessel.



Why Use Hazard Control Technologies' HydroLock degassing, cleaning and encapsulating agent?

SAFETY

- Ability to encapsulate hydrocarbon liquids and vapors and reduce the flash point (LEL/VOC)
- Nontoxic, noncorrosive, nonhazardous, 100% biodegradable and non skin-sensitizing
- Mitigates Benzene, E-85, E-10, H₂S and Pyrophoric Iron concerns

ECONOMICS

- Reduces cleaning project's duration; contractors can complete more projects
- Reduces steam-out time, allows quick vessel entry and facilitates sludge breakdown and removal
- The 3% addition to sludge and residual bottom fuel creates a slurry that allows for easy removal of effluent that is now nonflammable and noncombustible.

ENVIRONMENTAL

- HydroLock and its ingredients were found to comply with CEPA 1999 and are specifically listed for use in soil washing, explosive gas devaporization and removing oils and sludges from equipment and piping.

CEPA 1999 listing does NOT mean that CEPA approves, recommends, licenses, certifies or authorizes the use of HydroLock



HydroLock is packaged:

- 5-Gallon Pails
- 55-Gallon Drums
- 250 or 275-Gallon Totes

For More Information Contact:

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Tank Degassing / Vapor Suppression and Encapsulation

HydroLock provides the dual action of emulsification and encapsulation making it ideal for degassing and cleaning tanks, vessels and equipment prior to entry, welding or other hot work. When applied as directed, this product rapidly reduces LEL levels and keeps them down while the work progresses. HydroLock allows same-day access to the tank, increasing productivity and reducing downtime, safely.

Tank Cleaning with HydroLock

- *Encapsulates volatile vapors*
- *Cuts through films and sludge*
- *Emulsifies fuels and oils*
- *Mitigates vapor release*
- *Safe and easy to use*
- *Will not damage equipment*
- *Accelerates natural remediation*



Spray Application

A 3% HydroLock solution through spray mist nozzles encapsulates volatile vapors, reduces LEL levels immediately and allows for safe entry into the contaminated work area. The sprayed HydroLock solution contacts all surfaces of the underground storage tank and associated plumbing which penetrates into the walls to remove deep-seated hydrocarbons for complete cleaning. This method is faster than steaming, prevents “baking-on” material, reduces the amount of waste and minimizes the need for circulation pumps.

Washing External Surfaces

HydroLock dissolves and removes heavy hydrocarbon deposits from external surfaces. Personnel can work in a safer environment and eliminate concerns over low flash point solvents and degreasers. HydroLock is premixed with water at 3% in the high pressure washer holding tank. Product can be applied directly to the exterior of the tank using a scrub brush to remove deposits and then rinsed.

- *Easy Application - just spray, wipe, brush or splash; then rinse.*
- *Quick Penetration - softens before it dissolves to remove thick accumulations quickly*
- *Washes Clean with Water - leaves no film residue*
- *Safe - nontoxic, non skin-sensitizing and 100% biodegradable*

Soil Washing and Remediation

HydroLock is an “encapsulator agent” with superior surfactant characteristics. It breaks down hydrocarbon contamination in the soil and groundwater and encapsulates the hydrocarbon molecules into micelles. Fuels and vapors are rendered nonflammable and nonignitable and hydrocarbon molecules are dispersed in an aqueous solution, facilitating accelerated bio-remediation by naturally occurring microorganisms.