Eliminator HF

LEL vapour suppressor and hydrocarbon encapsulator

Product Features

- Dual functionality prevents cycling of LEL levels by reducing hydrocarbon vapours and eliminating their liquid hydrocarbon source through encapsulation.
- Fast and effective reduction of hydrocarbon vapours (including benzene and pyrophoric iron) and capable of scavenging low levels of H2S
- Effective in hard/soft or hot/cold water sources
- High foaming formulation for maximum interaction and effective surface cleaning
- Compatible with all metals

Description

Cleaning of vessels, tanks, piping and other equipment that store, transport or process hydrocarbons can be a risky task given the toxic and flammable substances and sludge that need to be removed. In addition, the potential explosive atmosphere due to high LEL (Lower Explosive Limit) levels renders these environments unsafe for entry and their levels must be reduced prior to inspection and return to service.

ELIMINATOR HF is specially designed to reduce LEL levels and chemically encapsulate hydrocarbons in both liquid and vapour forms. This dual functionality significantly reduces the explosive potential as sufficient treatment with ELIMINATOR HF suppresses vapours to levels below the lower explosive limit (LEL) while also emulsifying the source hydrocarbon liquid. Not only is ELIMINATOR HF a highly capable LEL scavenger, but it is also a highly effective cleaner capable of removing a variety of hydrocarbon deposits from equipment surfaces as it circulates. In addition, ELIMINATOR HF is capable of scavenging low levels of H2S. For large concentrations of H2S we recommend addition of our SOURTREAT series of products to ensure adequate scavenging ability.

Product Properties

Appearance	Colorless to pale yellow liquid
Odor	Virtually odorless
Specific Gravity, at 20°C	0.95-1.05 kg/L
Freeze Point	<-1°C/31°F
pH	7-10
Shelf Life	2 years

Applications include

ELIMINATOR HF is designed to prepare tanks and vessels that have been used in oil and gas processing for service during a turnaround. A treatment with ELIMINATOR HF will remove hydrocarbon residues from the sides of the vessels, emulsify residual hydrocarbon liquids, reduce and eliminate LELs, and remove any low levels of H2S which may escape when the residue is removed.

Directions for use

ELIMINATOR HF should be applied and circulated at 1-4% in solution. In vessels with large headspaces, ELIMINATOR HF should be applied through a high pressure spray system such as a gamma jet to atomize the product. This allows for sufficient vapour contact, resulting in effective and efficient knockdown of vapours contributing to LELs. ELIMINATOR HF may also be applied through a steam purge or boil-out process. Prior to inspection, the cleaning solution must be removed from the system and the vessel thoroughly flushed with clean water. Where the high-foaming properties of ELIMINATOR HF are not desired, control the foam by using a suitable defoamer.

For cleaning situations with very high suspected H2S, the addition of Genesis line of SOURTREAT H2S scavengers are recommended. Your Genesis Sales Representative can assist you with appropriate product selection for your application.

Available Packaging

20 L Pails
205 L Drums
1000 L Totes

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