



Vapor Controls LLC

EZ Clean Vapor Suppressant Microbe

VAPOR & GAS Suppression FLUID

PRODUCT PROFILE

A proprietary aqueous solution engineered to **reduce VOC's/ LEL's; H₂S, SO₂, Phosgene gases on contact**, eliminating the need for multiple water fills, steam or extensive nitrogen purging. Additionally, EZ Clean Microbe penetrates and releases layers of solids from metal surfaces while inhibiting re-adherence. Reduces time for clearing/cleaning filter pots, caustic scrubbers, flare stack blow down tanks, acid tanks, etc. by up to 80%. A unique, scientific breakthrough in encapsulation and emulsification technology.

EZ Clean Microbe- increases profitability, productivity and safety of fractionation and transportation of natural gas liquids.

EZ Clean Microbe- is a biodegradable and environmentally preferred industrial concentrate having a neutral pH. It is non-corrosive, contains no butyls or citrus components and is safe to handle and store. Product # 251; DOT Shipping Class 55; Non-Hazardous.

Successful Projects:

NGL filter pot element change: **EZ Clean Microbe** concentrate is pumped into the filter pot along with water. A small nitrogen flow is established for about an hour at the bottom of the pot to produce agitation. The water is discharged and the pot tested to assure LEL's have been reduced. Only one wash is usually required for entry.

Reduce VOC's in caustic KOH Treater and flare stack blow down tank: **EZ Clean Microbe**

concentrate is introduced with water after the majority of hydrocarbons have been recovered. A nitrogen flow is established for about two hours to create agitation. The product has proven to be so effective, that LEL's are reduced and H₂S gas is virtually eliminated in a single wash. Additionally, build-up of solids in discharge lines was reduced, increasing flow. Similar methods were used to reduce VOC's in the flare stack blow down tank and acid tanks.

Dow Deer Park: **EZ Clean Microbe**

Eliminate HCN (Hydrogen Cyanide) from units N3, N5, and N7 during outage with zero exposures.

SPECIAL FEATURES:

Reduce LEL's / VOC's; H₂S/ SO₂ gas on contact

- Reduce time required to clear vessels/tanks by up to 80%**
- Substantially reduce nitrogen usage**
- Eliminates need for steam**
- Penetrate and release solids from metal surfaces**
- Reduce water usage and discharge**
- No negative effects downstream**
- Degrease and clean all metal and concrete surfaces**

TYPICAL USES:

- Re-loading/cleaning KOH treaters**
- Clearing/cleaning flare stake blowdown tanks**
- Changing elements in filter pots**
- Clearing/cleaning acid tanks**
- Clearing/cleaning pipelines**
- Cleaning/restoring concrete and soil**
- Reducing emissions**