

Nature's Edge VGS

VAPOR & GAS SUPPRESSION FLUID

PRODUCT PROFILE

A proprietary aqueous solution engineered to reduce VOC's/ LEL's; H₂S, SO₂ gases on contact, eliminating the need for multiple water fills, steam or extensive nitrogen purging. Penetrates and releases layers of solids from metal surfaces while inhibiting re-adherence in lines downstream. Reduces time for clearing and cleaning caustic scrubbers, filter pots/coalescers, blow down tanks, fin fan discharge coolers, towers, storage tanks, etc. **up to 80%.**



A unique, scientific breakthrough in encapsulation and emulsification technology, **Nature's Edge VGS** increases profitability, productivity and safety of fractionation and transportation of natural gas liquids.

Nature's Edge VGS 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: **Nature's Edge VGS** 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: **Nature's Edge VGS** 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. Also, use of VGS in the water w/steam when cleaning fin fan discharge coolers eliminated need to hydroblast.

SPECIAL FEATURES:

- Reduce LEL's / VOC's; H₂S/ SO₂ gas on contact
- Reduce time required to clear and clean vessels/tanks/towers up to 80%
- Quickly penetrates and releases solids from metal surfaces
- Substantially reduce nitrogen usage
- Eliminates need for steam
- Reduce water usage and discharge
- No negative effects downstream
- Excellent general cleaner/degreaser for metal and concrete

TYPICAL USES:

- Re-loading/cleaning KOH treaters
- Clearing flare stake blowdown tanks
- Changing elements in filter pots
- Cleaning fin fan discharge coolers
- Clearing/cleaning pipelines and towers
- Cleaning/restoring concrete and soil
- Reducing emissions