



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

ENVIRO-SCRUB VT

DESCRIPTION:

Enviro-Scrub VT is a liquid solution which removes H₂S from hydrocarbon liquids, natural gas, gas streams, waste-water streams, and scrubber systems. This product is non-hazardous and reacts immediately to produce a non-reversible, non-hazardous stable compound. Unlike caustic based products, Enviro-Scrub VT is not effected by carbon dioxide. This product is a cost effective alternative to liquid caustic, sodium hypochlorite, sodium nitrate, liquid sponge and other forms of H₂S control. The reacted solution is water soluble, forms fewer solids, and is readily biodegradable.

PRODUCT USES & APPLICATIONS

- Tank Cleaning
- Waste Water Odor Control
- Vapor Scrubber Systems
- Municipals
- Remediation

APPLICATION INSTRUCTIONS

Dilution Rate	6% by volume
Application Method	Spray System or Scrubber
Reaction Rate	1 gal of concentrated Enviro-Scrub VT will neutralize 2.2# of H ₂ S

Additional Instructions: Strongest solution should be injected at the back of the system. This allows weaker solution to be reacted first in the scrubber so that the exiting solution has been fully reacted. Contact Vapor Tech for more explanation.

HAZARDOUS INFORMATION

Specific Hazard	Eye and skin irritant
Flash Point (°F)	Above 120°
Biodegradability	Excellent
pH	10-11.5 (10% solution)
Unusual Hazards	None

PACKAGING INFORMATION

Available Quantities	5, 30, 55 and bulk quantities
Packaging Material	Poly
Other Information	Do not let product freeze.

CASE STUDY & APPLICATION INFO:

December 12, 2007 Asphalt Production Facility

Enviro-Scrub VT was used in a vapor scrubber system to control H₂S stemming from asphalt production. The levels of H₂S before the scrubber were 500-600 ppm. A multi-tower vapor scrubber system was used to treat these vapors. After going through the first tower with the Enviro-Scrub VT the H₂S levels were down to 29. After the second tower the H₂S levels were 0. The third tower was not even needed but is used as extra level of protection. The effluent coming from the scrubber was deemed non-haz and was able to go directly into the sewer.

May 15, 2009 Freeport Chemical Facility

Enviro-Scrub VT was used on a small job for H₂S with one of Vapor Tech's PPS-24 scrubber units. Incoming H₂S levels were 350. After the initial one tower pass the H₂S levels were 0. No polishing carbon media was needed which saved the customer over \$3,000.00.