



## Product Data Sheet

### Product Name: EnviroScrub VT

**Description:** EnviroScrub VT is a liquid solution which removes H<sub>2</sub>S and mercaptans 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, EnviroScrub 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 H<sub>2</sub>S control. The reacted solution is water soluble, forms no solids, and is readily biodegradable.

Product Uses & Applications		Application Instructions	
Tank Cleaning		Dilution Rate	Contact Vapor Tech or details
Waste Water Odor Control		Typical Dilution	Contact Vapor Tech
Vapor Scrubber Systems		Special Instructions	None.
Municipals		<b><u>When using in a scrubber system:</u></b> 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.	
Remediation			
Hazardous Information		Packaging Information	
Specific Hazard	Eye and skin irritant	Available Quantities	55, 275 gallon tote, bulk
Flash Point (°F)	Above 220	Packaging Material	Poly
Biodegradability	Excellent	<b><u>Other Information:</u></b>	
pH	10 - 11.5 (10% solution)	Do not let product freeze.	
Unusual Hazards	None		
Other Information	None		

### Case Study & Application Information

#### December 12, 2007 Asphalt Production Facility

EnviroScrub VT was used in a vapor scrubber system to control H<sub>2</sub>S stemming from asphalt production. The levels of H<sub>2</sub>S 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 EnviroScrub VT the H<sub>2</sub>S levels were down to 29. After the second tower the H<sub>2</sub>S 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

EnviroScrub VT was used on a small job for H<sub>2</sub>S with one of Vapor Tech's PPS-24 scrubber units. Incoming H<sub>2</sub>S levels were 350. After the initial one tower pass the H<sub>2</sub>S levels were 0. No polishing carbon media was needed which saved the customer over \$3,000.00.

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