



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

# SULFUR-SCRUB 43

## DESCRIPTION:

Liquid neutralizing agent for ammonia and amines. This solution helps quickly break down amines and ammonia into non-odorous components (sulfates). Very effective in liquid scrubber systems to neutralize ammonia/amine odors. Avoid using this product with anhydrous ammonia as there is excessive heat given off during the reaction. Corrosive Liquid! Contains sulfuric acid.

## PRODUCT USES & APPLICATIONS

- Tank Cleaning
- Spill Control
- Line Cleaning
- Vapor Scrubber Systems
- Rail Car Cleaning

## APPLICATION INSTRUCTIONS

Dilution Rate	4:1 with water
Application Method	Tank Cleaning or Vapor Scrubber Systems
Special Instructions	Maintain pH level of 2-4

**Specific Hazards:** Avoid mixing this product with sodium hypochlorite (bleach) solution. Chlorine gas may be created which is harmful.

## HAZARDOUS INFORMATION

Specific Hazard	Corrosive liquid!
Flash Point (°F)	Non-flammable
Biodegradability	Good
pH	1-1.5
Unusual Hazards	Avoid soft metals, stainless
Other Information	See SDS

## PACKAGING INFORMATION

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

## CASE STUDY & APPLICATION INFO

### March 2012: Chemical Manufacturer in Houston, TX

SULFUR-SCRUB 43 was used in a wet scrubber after a process which was air stripping ammonia from a wastewater tank. Inlet concentrations of ammonia were 210ppm. After the scrubber ammonia ppm level was 0. During the job, readings did reach 10ppm on the outlet of the scrubber due to an issue with the feed pump metering in the chemical media into the scrubber. Once fixed the ppm levels quickly went back to 0. Specialized ammonia carbon was used on the exhaust of the scrubber to polish vapors beyond 99.9999%.

### June 2013: Port Arthur, TX

SULFUR-SCRUB 43 was used in a wet scrubber to neutralize amine odors at a chemical refinery. During the tank cleaning job a fishy odor was present and after testing it was determined that amines were present in the vapor stream. The regular carbon media was not efficient enough. An FRP wet scrubber from Vapor Tech was brought in and a 4:1 solution of SULFUR-SCRUB 43 was used to neutralize the amine odors.