

AeriScrub

Fact Sheet

Air Pollution Control Products

AeriScrub specialty air pollution control products are formulated for use in air scrubbing systems and confined spaces. The AeriScrub product line utilizes aldehydes, amines, hexahydrotriazines, organic acids, oxidizers and metal chelates in various blends to treat air pollutants and fugitive nuisance odor emissions.

Air Scrubbing...

AeriScrub products are typically utilized to replace traditional scrubbing chemistry such as elemental chlorine or sodium hypochlorite in wet scrubbers.

There is no hazmat or special safety training required with AeriScrub solutions.

Scaling issues with mineral formation do not occur with AeriScrub products.



Confined Spaces...

AeriScrub specialty air pollution control products can be fogged directly into confined spaces such as covered tanks or wet wells for the treatment of malodors.

Carbon absorbers can be vacated and fogged with an AeriScrub solution, eliminating the need to constantly switch out spent carbon.

AeriScrub products can be delivered into exhaust stacks and ducts for odor treatment before emission into the atmosphere.



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Standard Blends...

AquiScrub-1000

AquiScrub-2000

AquiScrub-2400

AquiScrub-3000

AquiScrub-3100

AquiScrub-3165

Applications...

- Alternative Chemistry for Scrubbers**
- Wastewater Collection Systems**
- Covered Tanks and Wet Wells**
- Carbon Absorbers and Biofilters**
- Exhaust Stacks and Ducts**

Active Components...

Aldehydes are highly reactive chemical compounds that react very quickly with hydrogen sulfide, producing cyclic carbon-sulfur compounds.

Amines are bases that react rapidly with sulfides via direct proton transfer reactions to form soluble acid-base complexes (ammonium salts).

Hexahydrotriazines are highly reactive cyclic polyamines commonly utilized as scavengers of sulfides and mercaptans with safe water soluble byproducts.

Organic Acids are organic compounds with acidic properties which may react with sulfides and mercaptans or ammonia and amines to form ammonium salts.

Oxidizers are oxidizing agents that readily transfer oxygen atoms in oxidation reactions or reducing agents that readily gain electrons in redox reactions.

Metal Chelates are fast acting scavengers containing the carboxylates of iron or zinc that react with hydrogen sulfide to form metal sulfides or elemental sulfur.