

Product Information

ODOR-ARMOR® Odor Control Products

ODOR-ARMOR® products offer industry and waste treatment facilities a safe and effective solution to odor problems.

Features and Benefits:

- ✓ Non-toxic
- ✓ Environmentally friendly
- ✓ Safe and effective - all organic ingredients, no restrictive components
- ✓ Concentrated - cost effective
- ✓ Highly efficient - single product applications
- ✓ Subtractive Odor Control™ - eliminates the odor by neutralizing it
- ✓ No masking agent or perfume - decreases overall odor intensity
- ✓ Benzaco's experience and expertise backs the application

Using science to control odor

Odor concerns continue to mount for many industries. Moreover, the attitude of "*not in my backyard*" has turned the plant or facility odor issue into a major operating concern. Neighbors no longer view odors as strictly a nuisance. While the odor may be completely harmless, to them it has become indicative of something hazardous or toxic.

Until recently, the odor control option for many has been to mask or perfume the odor. This only compounds the odor issue because masking agents, by their design, add to the overall odor intensity. Imagine the facility odor laced with a hint of baby powder. Not a pleasant thought, but one that plant neighbors have been enduring for years.

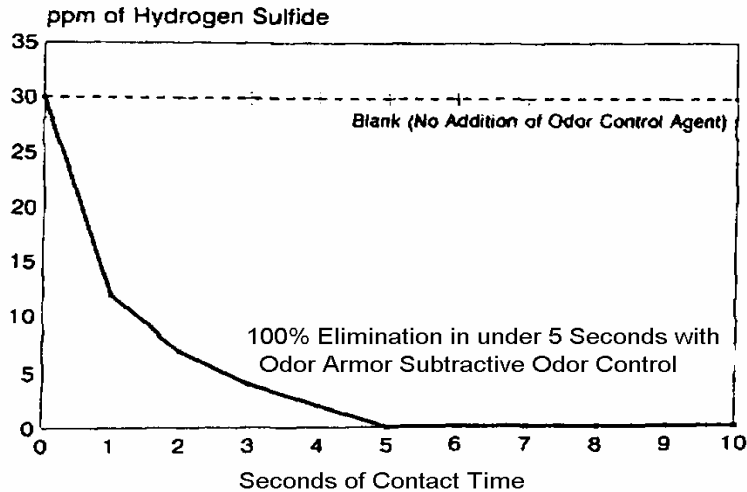
ODOR-ARMOR® PRODUCTS ARE NOT MASKING AGENTS. They are scientifically developed odor control agents that efficiently and economically reduce or eliminate the malodor by altering and neutralizing the compounds' odorous components converting them to molecules that are completely non-odorous and non-toxic. The human nose no longer detects the odor. The reaction is irreversible. The odor is eliminated and does not return.

THE EPA CLASSIFIES ODOR-ARMOR® PRODUCTS AS NON-TOXIC AND COMPLETELY NON-HAZARDOUS.

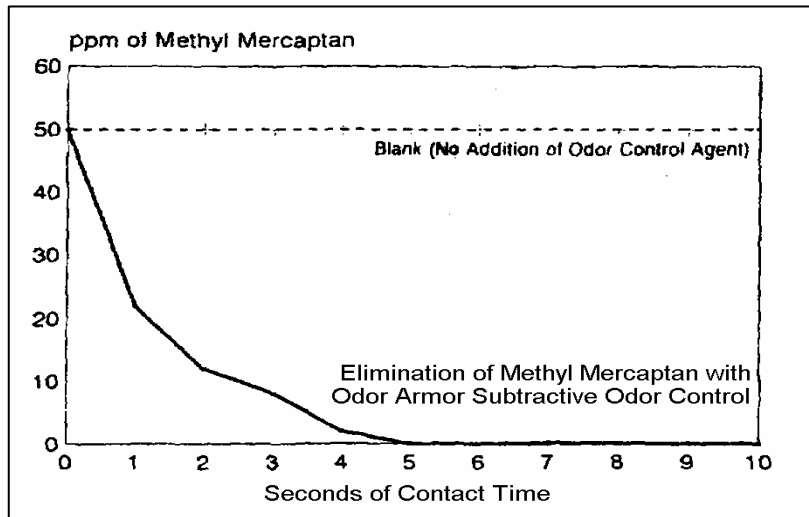
Efficiency of Odor Elimination

Odorous compounds reacting to the ingredients of ODOR-ARMOR® products are neutralized in seconds, as indicated in the graphs below:

Elimination of Sulfide Odor



Elimination of Mercaptans Odor



Applications of ODOR-ARMOR® Products

Correct application can make all the difference in effective odor control efforts. ODOR-ARMOR® is fed by a metering pump into high-pressure delivery systems that deliver the solution to highly effective and efficient atomizing nozzles. The systems are custom designed and built to best deliver the spray to the specific areas being treated. This process treats only the odorous agents in the airborne or vapor phase of the odorous material. Typical applications include but are not limited to:

- ✓ Dewatered sludge holding areas
- ✓ Bio tower exhaust stacks
- ✓ Clarifiers
- ✓ Sludge dewatering processes
- ✓ Animal holding pens
- ✓ Rendering processes

For additional information on Benzaco Scientific engineered solutions for odor control, visit our website at www.benzaco.com or contact your Benzaco Scientific representative.