ODOR-ARMOR®

ENGINEERED SOLUTIONS FOR ODOR CONTROL

DESCRIPTION

ODOR-ARMOR® is a concentrated, multi-component, blend of natural odor neutralizing compounds. A range of industry specific formulations are available to eliminate nuisance odors in air through atomization and vaporization or they can be injected directly into odorous substrates.

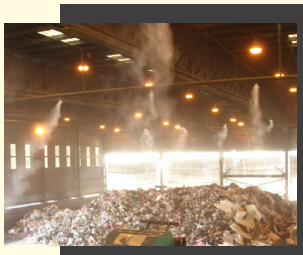
ADVANTAGES OF ODOR-ARMOR®

- Industry specific formulations
- Broad spectrum effectiveness
- Misting & vapor formulations
- Economical applications rates
- Non-toxic and biodegradable
- Immediate odor reduction
- Easy to apply

INDUSTRY USES:

For over 25 years, ODOR-ARMOR® products have been used in a wide range of commercial and industrial applications to combat nuisance odors. Formulations have been developed with industry specific objectives and then matched to delivery systems that can maximize cost efficiency, reliability and performance.

- **Sewage treatment**
- **Landfills**
- **Transfer stations**
- **Greenhouses**
- **Sludge handling**
- **Agri-food production**
- **Bioscrubing towers**
- **Trash rooms**
- **Kitchen exhaust**
- **Material recovery**
- **Petrochemical**
- **Composting**



DIRECTION FOR USE:

The ODOR-ARMOR® formulation and application rate depends on the level of nuisance malodor and type of delivery system being used.
A Benzaco Scientific Manufacture's Representative should be consulted to review equipment compatibility, application protocol and dosage rates to maximize treatment performance.

TYPICAL APPLICATION RATES:

ODOR-ARMOR® formulations are diluted with water prior to misting. Formulation type, concentration strength and industry use determine the dilution rate.

Typical Hi-Pressure Misting (500-1500 psi)
- 1 part ODOR-ARMOR® to 500-3000 parts water
Mid-Pressure Misting (100-500 psi)
- part ODOR-ARMOR® to 300-1000 parts water

Always use potable water and approved back flow prevention systems when using chemical injectors.

ODOR-ARMOR® VPS

Waterless Vapor Solutions:
Use as provided at the application rate specific to the vapor producing equipment.
Do not mix with water.

Benzaco Scientific
ENGINEERED ODOR MANAGEMENT

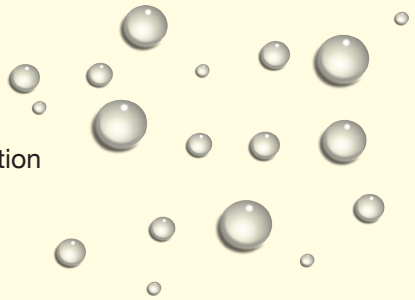
ODOR-ARMOR®

DELIVERY SYSTEM COMPATIBILITY

The success of any odor control program relies on the pairing of the right equipment used in a consistent, reliable manor. Benzaco Scientific has developed a line of delivery systems for ODOR-ARMOR® products that are uniquely fabricated to maximize application process in a range of commercial and industrial settings. This includes delivery systems designed for ODOR-ARMOR® products that are pre-diluted with water for atomizing or waterless versions that are used in their concentrated natural state to create vapor.

DELIVERY SYSTEMS:

- High-pressure misting
- Mid-pressure misting
- Air / liquid atomization
- Waterless vapor generation
- Direct injection
- Fans
- Portable systems
- Self-contained systems



SAFE AND ENVIRONMENTALLY RESPONSIBLE

ODOR-ARMOR® is non-toxic, non-hazardous and completely safe to use around people, animals and plants.

Unlike masking agents, that add to the overall odor intensity by introducing an odor stronger than the offending malodor, ODOR-ARMOR® is true neutralizing technology that reduces and eliminates odors. Results are immediate and non-reversible creating a healthier environment without the use of overpowering fragrance.

ODOR-ARMOR® meets USDA C1 requirements for use in USDA regulated plants.

SPECIFICATIONS:	ODOR-ARMOR® 100, 200, 300, 420 WATER SOLUBLE ATOMIZING SOLUTIONS	ODOR-ARMOR® VPS 100, 200, 420 WATERLESS VAPOR SOLUTIONS
Appearance:	Clear to slightly opaque liquid	Clear to slightly yellow liquid
Odor:	Slight; non-descript*	Pleasant; non-descript
pH:	Neutral	Not applicable
Water Miscibility:	Complete	None
Flash Point (°F TCC):	200 °F	135.5 °F
Freezing Point (°F):	26 °F	- 4 °F
Freeze/Thaw Cycles:	3 °F	N/A
Density:	8.31 lbs./gal	7.42 lbs./gal

**ODOR-ARMOR® 200 slight vanilla, estery note*

STORAGE AND HANDLING:
Keep out of reach of children. Product is intended for industrial use only. Keep container closed when not in use. Sensitive individuals should wear protective goggles and gloves when transferring or handling concentrated product. Keep from freezing. Do not store in areas of high temperature or direct sunlight. If separation or cloudiness occurs due to freezing or overheating remix the product. Product does not loose efficacy if separated and remixed.

PACKAGING:

- 5 gallon pail (18.9L) - 45 lbs. (23kg.) Net
- 55 gallon drums (208L) - 456 lbs. (236kg.) Net
- 275 gallon totes - (1035L) 2283 lbs. (1035kg.) Net

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet for the product.

Proudly Made in the U.S.A.

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