



CREATING A SHIELD OF BIOSECURITY.™

## TECHNICAL DATA SHEET

### Xtreme Bio® - Antimicrobial Multi-Surface Cleaner (Concentrate)

Xtreme Bio® is a highly concentrated broad spectrum antimicrobial that has been tested and proven to kill bacteria and fungus. It has also been proven to inactivate viruses including coronaviruses. When used as directed, Xtreme Bio is effective on all surfaces, including vehicle interiors and porous materials. Xtreme Bio inactivates and eliminates viruses and known pathogens like PEDv, PRRSv, ASFv, PCV-2, SE, and AI. Unlike traditional disinfecting technologies – which are extremely corrosive to transportation equipment and facility assets – Xtreme Bio will not corrode vehicles or material used in CAFOs and other commercial/industrial facilities. Xtreme Bio is made with FDA recognized GRAS (Generally Recognized as Safe) ingredients. Xtreme Bio is non-toxic and non-mutagenic. Xtreme Bio contains no alcohols, iodine, chlorine bleach, ammonia, hydrogen peroxide, methanol, quaternary amines or glutaraldehyde. It is non-carcinogenic, non-pathogenic and does not contain any substances considered dangerous to use. Xtreme Bio is a natural choice of top veterinarians who manage both small and large animal populations. Xtreme Bio is backed by years of studies from top veterinary universities in the US. Xtreme Bio is also supported through independent research lab testing and live field studies.

#### FEATURES AND BENEFITS:

- This product is exempt from EPA registration under the minimal risks pesticides exemption FIFRA section 25(b)
- Xtreme Bio is formulated with all natural ingredients and considered GRAS
- University and independent lab studies demonstrate that Xtreme Bio inactivates specific viruses like: PEDv, PRRSv, ASFv, PCV-2, SE, and AI
- Xtreme Bio effectively replaces quats, peroxides, lime and chlorine
- Reduces exposure in vehicles, trailers and critical biosecurity control points
- Complete degradation resulting in the elimination of odors
- Effectively kills odor causing bacteria on food contact surfaces & non-food contact surfaces
- Kills bacteria that cause spoilage, deterioration, or fouling materials on a variety of surfaces
- Kills odor causing bacteria
- Effectively controls the growth of algae
- Neutralizes and removes odors
- Kills and controls micro-organisms infectious to animals
- Neutralizes viruses and bacteria
- Excellent foaming properties for washout facilities and non-fuming
- Has been shown to treat in the presence of minimal amounts of organic matter
- Has been shown to remain active at temperatures below freezing in studies
- Proudly made in the USA!

#### TYPICAL PHYSICAL PROPERTIES

Appearance and Color .....	Clear to colorless liquid
Initial Freeze Point .....	32°F (0°C)
Odor .....	Mild detergent odor
Solubility in Water .....	100%
Melting Point .....	N/A
Flashpoint.....	N/A
Specific Gravity.....	1.00± .04

#### DIRECTIONS FOR USE

##### POROUS AND NON POROUS SURFACES:

A solution of 2 ounces of Xtreme Bio per gallon of water may be used as a disinfectant/detergent when cleaning surfaces. To treat clean surfaces, use 1/2 ounce of Xtreme Bio per gallon of water. Apply with mop, brush, spraying or foaming equipment. Allow to air dry on surface.

##### LIVESTOCK FACILITIES & EQUIPMENT:

Remove manure, soil, dirt, bedding, feed and watering equipment. Thoroughly scrape surfaces, equipment and tools to reduce organic material to minimal amounts. Pressure wash all surfaces clean. A solution of 2 ounces of Xtreme Bio per gallon of water may be used as a disinfectant/detergent when cleaning surfaces. To treat clean surfaces, use a solution of 1/2 ounce of Xtreme Bio per gallon of water on a clean surface. Apply with mop, brush, spraying or foaming equipment. Allow to air dry on surface.

For use in temperatures below freezing propylene glycol may be added.

#### STORAGE AND HANDLING:

Rinse empty container with water and discard as per federal, state and local guidelines. Suggested shelf life of Xtreme Bio is 2 years. Xtreme Bio test strips can be requested from your supplier to verify product activity.

#### PACKAGING:

Xtreme Bio is packaged in 4x1 gallon cases, 5 gallon pails, 55 gallon drums and 275 gallon totes.



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