



Arthroicide

PEST CONTROL



**KILLS
PESTICIDE RESISTANT
BUGS**

NEUTRALIZES FECES

**PREVENTS EGGS
FROM HATCHING**

KILLS ON CONTACT

Arthroicide is a derivative of DF200 Decon Formula, specifically designed to kill pesticide resistant bugs (arthropods), and to prevent their eggs from hatching.

Arthroicide is an "all-in-one" pesticide and decontaminant, complying with standard operating procedures. It also helps to develop quick operating procedures with a high rate of efficacy.

It allows different deliveries: liquid, spray, aerosol, and foam.

Once **Arthroicide** had been applied and allowed to work, the materials left behind are all non-hazardous and can be rinsed away with water.

None of the chemicals remain in their original form. None of the residues are flammable, and all of the remaining materials can be disposed of safely without harm to the environment.

MECHANISM OF ACTION

- 1 - Surfactants bore holes in the arthropods' shell armor
- 2 - Oxidizing agents attack the bug's DNA
- 3 - Hydrolyzing agents attack vital arthropods contents and functions

**NO BIOLOGICAL PATHOGENS
CAN BE IMMUNE TO IT**

BENEFITS

- Fast onset of action
- Very high degree of mortality
- No arthropods can be immune to it
- Decontaminates feces at the same time to prevent allergic reactions
- Mattress and drapery treated on site
- Air and surface treated
- Non-toxic
- Bio-degradable by products
- Non hazardous
- No shipping restrictions
- Non corrosive
- Cost effective - time and flexibility

Arthroicide



DECON FECES

Destroys infectious biohazardous feces left behind. Reducing emergency room visits that are caused by allergic reactions to their waste

EGGS WON'T HATCH

Bed bug eggs treated with Arthroicide formulation darkened 24 hours post-treatment and many collapsed. The fluid inside the eggs became yellow or brown in color 2 days post-treatment. Some eggs appeared to be developing normally (whitish-gray in color with red eye spots) but eventually collapsed. None of the eggs treated with Arthroicide hatched. Eggs in the untreated control group were whitish gray in color with red eyespots visible after 2 days and turned light tan 2-3 days before hatching. The untreated control group demonstrated a 98.4% hatch rate.

Sierra Research Laboratories UC Davis

SAFE

Despite its power, the primary oxidizers within Arthroicide will decompose into oxygen and water. Consequently, Arthroicide has none of the problems of gaseous release of using chlorine (chlorinated organics) or chemical residues that are associated with other chemical oxidants. Since Arthroicide is totally miscible with water, it is perfectly safe to handle and apply to many materials.

NO RESIDUAL EFFECT ON THE ENVIRONMENT

Advanced Decon Technologies is a privately owned company manufacturing the future of non-toxic biodegradable chemical products.

Advanced Decon Technologies provides turnkey answers to pathogen-generated biological and chemical threats.

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