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Methyl Anthralinate is food! The FDA lists **MA** as a GRAS (Generally Regarded As Safe) compound. No edible compound in America has a better rating. **MA** is consumed and inhaled in a variety of human and animal foods and in many consumer products. Rejexit Fog Force uses all FDA food grade chemicals in its formulation.

Research studies conclude that working concentrations of **MA** aerosols are benign (to the environment, to mammals and to the target birds).

Methyl Anthralinate is benign: there is no concern about the toxicity of Rejexit Fog Force aerosols. The LD<sub>50</sub>, the scientific declaration of comparative toxicity, lists **MA** as 5200 mg/kg. This rating has allowed the EPA to declare **MA** a “reduced risk” pesticide.

Methyl Anthralinate aerosols are environmentally responsible and do not adversely affect birds or mammals within the treatment zone. **MA**'s lack of residual means that it works and then disappears.

Fog Force is the only **MA** product registered for aerosol application.

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Flock Fighters USA has expelled more birds than any other applicator. Please call us if you have a question regarding YOUR site.

Flock Fighters USA also supplies more product and equipment than any other supplier. We provide the training and support necessary to make you successful in chemical bird aversion.

*This publication is for promotional purposes only and is not to be considered instructional material. Please consult product label for further clarification and for specific instructions.*

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**FLOCK FIGHTERS**

USA

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“the nation’s leader in chemical bird aversion”

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# Fog Force

## The Science of MA

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“the nation’s leader in  
chemical bird aversion”



Since 1960, Methyl Anthralinate (MA), the active ingredient in Fog Force, has been known as an effective bird aversion chemical. Using this naturally occurring compound that is found in flowers and in grapes, Fog Force works as a repellent by stimulating the trigeminal nerves in the bird's beak, eyes and throat. Although most animals have these nerves, only birds react to MA. Other animals sense Fog Force as a pleasant grape scent. As a result of this painful stimulus, birds typically avoid areas where Fog Force has been applied.

Fog Force has been formulated using Food Grade ingredients with its active ingredient (MA) exceeding US Food Chemical Codex (FCC) specifications. MA is designated by the USFDA as GRAS— Generally Recognized As Safe.

MA is benign: there is no concern about the toxicity of Fog Force aerosols. The LD<sub>50</sub>, the scientific declaration of comparative toxicity, lists MA as 5200 mg/kg. This rating has allowed the EPA to declare MA a "reduced risk" pesticide.

Fog Force is lipophilic and is insoluble in water. Use in thermal and mechanical fogging equipment produces a fine aerosol or fog that is very repellent to birds.

Fog Force is not a fire or explosion hazard when stored under normal conditions, although closed containers may explode if exposed to extreme heat due to a build-up of pressure. Keep product away from open flame.

There are no skin absorption health risks. Persons with severe asthma who are sensitive to airway irritants may be affected by this product, although our extensive field experience has shown no negative physiological response. There are no

## TYPICAL PROPERTIES

**Appearance:** Amber, clear liquid

**Odor:** Reminiscent of concord grape

**pH:** 6.3

**Bulk Density:** 953 g/f, 7.95 lbs/gal

**Solubility:** 0.18/100 mL H<sub>2</sub>O (Practically insoluble in H<sub>2</sub>O)

**Boiling Point:** 208°C, 406°F

**Flash Point:** >248°F

**Vapor Pressure:** 5.5 mm HG @ 25°C

**Assay:** 40.0% active ingredient (Methyl Anthralinate)

**Viscosity:** 16 cps (at 25°C)

**Refractive Index @ 20°C:** 1.498

**Dielectric Breakdown Voltage:** 17.900V @ 100mL separation (at 25°C)

**Toxicity:** All ingredients are food grade

Acute oral LD<sub>50</sub> in rats is >5000 mg/kg body weight

Dermal LD<sub>50</sub> in rats >2000 mg/kg body weight

Honey bees: LD<sub>50</sub> >25µg/bcc, minimal risk

Inhalation study in rats: LD<sub>50</sub> >2.8 mg/L, minimal risk

other symptoms of exposure. Fog Force is Non-Carcinogenic.

Fog Force is environmentally responsible and does not adversely affect birds or mammals within the treatment zone. Fog Force has a low phytotoxicity level: its lack of residual means that it works and then disappears. Improper application or spillage will leave residues, stain concrete or other surfaces, may remove paint, or damage plants and turf, however. When the product is spilled, immediate cleanup is required. Any absorbent material will aid in cleaning up a liquid spill. If liquid cleanup is necessary, collect in drums, buckets, or other containers. Should concrete become stained, apply 1:20 diluted solution of chlorine bleach to oxidize the residue. Stains will oxidize and disappear over several weeks. Any amount of MA on the ground or in water will disappear through microbial degradation. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility according to Federal or State procedures.

The applicator is always at greatest risk because of the frequency of contact. In enclosed areas, it is advised to wear safety glasses or goggles, disposable surgical gloves and a filter mask. Should Fog Force come in contact with skin, wash affected area with soap and water. Open wounds should be covered with a chemical resistant patch to minimize absorption risks. Eyes should be flushed for 15 minutes with flowing water. If ingested, get immediate medical attention. Unless advised otherwise, dilute with water and induce vomiting. Clothing can be laundered without concern. As a general precaution, good personal and general hygiene and good housekeeping should be followed.