


SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifiers:	Avitrol Corn Chops®	Avitrol Whole Corn®
Other Means of Identification:	Registration No: 12095 Pest Control Products Act	Registration No: 12096 Pest Control Products Act
Active ingredient; Synonym:	4-Aminopyridine; 4-AP	
Recommended Use:	For the control of House sparrows, Red-winged blackbirds, Yellow-headed blackbirds, Rusty blackbirds, Brewer's blackbirds, Brown-headed cowbirds, and Bronzed cowbirds in, on, or in the areas of structures, nesting and roosting sites.	For the control of Feral pigeons in, on, or in the areas of structures, nesting and roosting sites.
Use Restrictions:	RESTRICTED. For use only by or under the supervision of government agencies and pest control operators; not for sale to the public.	
Manufacturer:	Avitrol Corporation	
Address:	7644 East 46th Street Tulsa OK 74145	
Telephone Numbers:	1-918-622-7763; 1-800-633-5069	
Emergency Telephone Number:	Chemtrec: 1-800-424-9300 or 1-703-527-3887	

2. HAZARDS IDENTIFICATION

WHMIS/GHS Classification:	NOT APPLICABLE. REGISTERED PESTICIDE. RESTRICTED USE.
Label Elements:	NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.
Hazards:	WARNING  POISON
Precautionary Statements:	READ THE LABEL BEFORE USING. KEEP OUT OF REACH OF CHILDREN AND PETS. May produce toxic symptoms if swallowed or by contact with skin. Wear a long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves during loading and applying this product as well as during picking up dead birds and unused bait. Wear a dust mask or respirator with a suitable dust filter approved by NIOSH/MSHA/BHSE when transferring bulk product. Do not feed to livestock or chickens. Do not mix with grain for livestock feed or for human consumption. Do not contaminate streams, lakes or ponds with this material. Do not allow this material to remain in unprotected places after control measures are completed. Do not use where food (grain or meat) will become contaminated. Do not apply 4-aminopyridine products in places that are accessible to children or pets. Place treated bait in areas that are inaccessible to the public. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Keep persons (other than authorized handlers) as well as pets and livestock away from the treated bait and dead or dying birds at all times. Wash thoroughly with soap and water after handling, before eating or smoking. Change clothing after handling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Concentration (% wt/wt)	ACGIH TLV-TWA	OSHA - PEL
4-Aminopyridine	504-24-5	0.5	0.5 ppm (2-Aminopyridine)	not available
Whole or cracked corn	not available	99.3	not available	not available

4. FIRST-AID MEASURES

IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing the eye. Immediately call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Immediately call a poison control centre or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Immediately call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.
Most Important Symptoms, Acute and Delayed:	May be fatal if swallowed or in contact with skin. In sufficient quantities, may cause metabolic acidosis, respiratory arrest, and cardiac arrest. Symptoms may include abdominal discomfort, salivation, loss of motor control, dizziness, anxiety, tremors, epileptic-like convulsions. May cause allergic reactions in individuals sensitized to grain dusts.
Immediate Medical Attention Required:	If symptoms develop call a poison control center or doctor immediately. Note to Physician: The active ingredient is a potassium channel blocker that increases activity in the motor nervous system. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

General hazards:	Not classified as a flammable solid. Grains will burn at higher temperatures.
Suitable Extinguishing Media:	Dry chemical, CO ₂ , foam, water.
Unsuitable Extinguishing Media:	None known.
Specific Hazards:	Combustible dust. Fine dust dispersed in air at a sufficient concentration may explode if exposed to an ignition source.
Hazardous Combustion Products:	Oxides of carbon, oxides of nitrogen, chlorine, hydrogen chloride.
Special Protective Equipment and Precautions for fire-fighters:	Fire-fighters should wear full protective gear with self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Follow all instructions on the label. Contact the manufacturer and the provincial regulatory agency in case of a spill and for cleanup of spills. Before attempting clean-up, refer to Section 8 personal protection.

Methods and materials for containment and cleaning up:

Follow all instructions on the label. For information on the disposal and the cleanup of spills, contact your municipality, your provincial/territorial Ministry of Environment or the regional office of Environment Canada. Ventilate the area. Contain spill. Sweep and scoop up all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Keep product out of sewers, watersheds and water systems. Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Dispose of according to local, provincial/territorial, and federal regulations. Refer to Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Precautions for safe handling:

For use only by or under the supervision of government agencies and pest control operators. Use only in sites listed on the product label. Follow all instructions on the label. DO NOT apply product in places that are accessible to children or pets. Place treated bait in areas that are inaccessible to the public. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not smoke, drink, or eat when handling. Wear a long-sleeved shirt, long pants, shoes plus socks, and chemical-resistant gloves during loading and applying this product as well as during picking up dead birds and unused bait. Wear a dust mask or respirator with a suitable dust filter approved by NIOSH/MSHA/BHSE when transferring bulk product. Wash thoroughly with soap and water after handling, before eating or smoking.

In areas open to the public, perform baiting at elevated sites where feasible. Where baiting at elevated sites is not feasible and ground baiting is required, a certified applicator or someone under his/her direct supervision must ensure children, pets and non-target species do not come in contact with the bait during the entire application period. The authorized handler must not leave the site until all dead or dying birds and unused bait are retrieved from the site. Remove any unused product at the end of the day. Remove any dead or dying birds after product application. All dead and dying birds must be disposed of by burial or incineration.

DO NOT apply in the presence of livestock or poultry or where livestock and poultry may be exposed. DO NOT feed to livestock or poultry. DO NOT mix with grain for livestock or poultry feed. DO NOT apply to growing crops. DO NOT apply baits made from this product in any way that could contaminate materials to be used as human food or animal feed. DO NOT use treated baits as food or feed. DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Keep persons (other than authorized handlers) as well as pets and livestock away from the treated bait and dead or dying birds at all times. Only protected handlers may be in the area until all dead and dying birds and unused bait are retrieved.

Conditions for safe storage:	Follow all instructions on the label. KEEP OUT OF REACH OF CHILDREN AND PETS. Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area. Store apart from food or animal feed and protect from rodent penetration of the carton. Store apart from other pesticides, fertilizers, food or feed that may cause cross contamination of odour or insect infestation. Do not contaminate water, food or feed. Post warnings and restrict access to storage area to authorized personnel only. Comply with all applicable regulations.
Incompatible materials:	Do not mix with other chemicals or products. Cross contamination with other materials may render it unfit for its intended purpose.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	0.5 ppm (for 2-Aminopyridine) ACGIH TLV TWA 15 mg/m ³ (Total dust); 5 mg/m ³ (Respirable dust) OSHA PEL
Appropriate Engineering Controls:	Follow all instructions on the label. Must not be exposed in any manner that may endanger desirable and protected bird species. If there is a question of such hazard, consult local, provincial/territorial, and federal wildlife authorities before undertaking bird management. Investigate local laws that may prohibit the use of any toxic chemical in bird control. Ensure adequate ventilation to prevent accumulation of dust. Accumulation of grain dust may result in explosive mixtures.
Personal protective equipment:	COMPLY WITH ALL INSTRUCTIONS ON THE LABEL.
Respiratory protection:	Follow all instructions on the label. Use appropriate protective equipment. If dust is generated use a NIOSH approved dust respirator. Wear a dust respirator with a suitable dust filter approved by NIOSH/MSHA/BHSE when transferring bulk product.
Hand protection:	Follow all instructions on the label. Wear chemical-resistant gloves during loading and applying this product as well as during picking up dead birds and unused bait.
Eye protection:	Follow all instructions on the label. Wear goggles or face-shield when handling this product.
Skin and body protection:	Follow all instructions on the label. Wear a long-sleeved shirt, long pants, shoes plus socks, chemical-resistant gloves, and goggles or a face-shield during loading and applying this product as well as during picking up dead birds and unused bait.
Hygiene measures:	Follow all instructions on the label. Remove and wash contaminated clothing and equipment before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid	Colour; Odour: Whole or cracked corn; none
pH @ 20°C: Not applicable	Flash Point (°C/°F): Not flammable
Vapour Density (Air = 1): Not applicable	Autoignition Temperature (°C/°F): Not applicable
Decomposition Temperature: Not available	Evaporation Rate (Ether =1): Not applicable
Viscosity @ 25°C (77°F): Not applicable	Upper & Lower Explosive Limits: Not applicable
Solubility in Water @ 25°C (77°F): Insoluble	Flammability (solid; gas): Not flammable
Vapour Pressure: Not available	Melting Point/Freezing Point: Not applicable
Boiling Point: Not applicable	Relative Density (water =1): Not available
Odour Threshold (ppm): Not available	Partition Coefficient n-octanol/water: Not available

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical stability:	This product is stable.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Follow all instructions on the label. Avoid moisture, odours, insect infestation, and contamination with other products.
Incompatible materials:	Cross contamination with other materials may render it unfit for its intended purpose. Avoid water, excessive heat, fire, chemicals.
Hazardous decomposition products:	Oxides of carbon, oxides of nitrogen, chlorine, hydrogen chloride.

11. TOXICOLOGICAL INFORMATION**Information on the likely routes of exposure:****Immediate Health Effects:**

Eyes: May cause irritation. Symptoms may include itching, pain, tearing, redness and swelling.

Skin: May be fatal if absorbed through skin. May cause metabolic acidosis, respiratory arrest, and cardiac arrest. Symptoms may include salivation, lost of motor control, dizziness, anxiety, tremors, epileptic-like convulsions. Skin exposure may cause allergic reactions in individuals sensitized to grain dusts. Symptoms may include itching, redness and swelling.

Inhalation: May cause respiratory tract irritation. May cause allergic reactions in individuals sensitized to grain dusts. Symptoms may be delayed. Symptoms may include coughing, shortness of breath, difficult breathing.

Ingestion: May be fatal if swallowed. May cause central nervous system effects including metabolic acidosis, respiratory arrest, and cardiac arrest. Symptoms may include abdominal discomfort, salivation, loss of motor control, dizziness, anxiety, tremors, epileptic-like convulsions.

ACUTE TOXICITY DATA:	RTECS #	Rat - Inhalation 4 hours LC₅₀	Rabbit - Dermal LD₅₀	Rat - Ingestion LD₅₀
4-Aminopyridine	Not available	Not available	Not available	3.5 mg/kg to 32.5 mg/kg
Whole or cracked corn	Not available	Not available	Not available	Not available
ATE for the product:		Not available	Not available	~700 – 6500 mg/kg

Delayed Health Effects:

Aggravation of Pre-existing Conditions: Insufficient data available.

Skin Sensitization: May cause a sensitization response or allergic reaction in some individuals.

Respiratory Sensitization: May cause a sensitization response or allergic reaction in some individuals.

Germ Cell Mutagenicity: Insufficient data available.

Teratogenicity: Insufficient data available.

Reproductive Effects: Insufficient data available.

Carcinogenicity: Insufficient data available.

Toxicologically Synergistic Materials: Not available.

12. ECOLOGICAL INFORMATION

Environmental Hazards: This product is toxic to birds and mammals. Exposed treated grain is hazardous to non-target birds and other wildlife. Toxic to aquatic organisms. DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/marine habitats. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Follow all instructions on the label. Hazardous waste. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Empty container: Dispose of empty container in accordance with label instructions. Dispose of the container in accordance with provincial requirements. For information on the disposal of unused or unwanted product and the cleanup of spills, contact your municipality, your provincial/territorial Ministry of Environment or the regional office of Environment Canada.

14. TRANSPORTATION INFORMATION

Do not ship with foods, feeds, drugs, or clothing.

15. REGULATORY INFORMATION

Canada Federal Regulations: **PEST CONTROL PRODUCTS ACT REGISTRATION NOS. 12095 & 12096.** Registered pest control products are exempt from the Hazardous Products Act (HPA) Part II, hazard classification, supplier SDS and labelling requirements. Part II does not apply in respect of the sale or importation of any pest control product as defined in subsection 2(1) of the Pest Control Products Act (PCPA), when subject to the labelling requirements of that Act and labelling regulations issued under the Act by the Pest Management Regulatory Agency (PMRA).

WHMIS: Not applicable. This SDS has been prepared in accordance with the Hazardous Products Regulations (HPR) and contains all of the information required.

16. OTHER INFORMATION

Date of preparation: March 8, 2018

For use only by or under the supervision of government agencies and pest control operators; not for sale to the public. Safe handling is the responsibility of the user. Read the label before using this product. Factors pertaining to certain conditions of storage, handling, and/or use of this product may involve other or additional safety considerations. This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to violate any Federal, Provincial/Territorial or local laws.