

# MATERIAL SAFETY DATA SHEET # 11649-E REV 3/99

Date Prepared: March 15, 1999

Manufacturer's/Preparer's Name Avitrol Corporation, 7644 E. 46th Street, Tulsa, OK 74145  
Regular Telephone Number 918-622-7763  
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## PRODUCT NAMES (as shown on labels):

Avitrol FC CORN CHOPS 1-10 Concentrate EPA Reg. No. 11649 - 13

## SECTION I - PRODUCT INFORMATION

Active Ingredient 4-AminopyridineCL: AND Synonyms 4-APCL;  
Chemical Family Pyridines; AND Formula C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>-CL

This product is a formulation of one part 3.0% 4-aminopyridine chloride impregnated cracked corn blended with 9 parts untreated cracked corn. This product contains no Volatile Organic Compounds.

## SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Grain
Odor	None
Boiling Point	Not Applicable
Vapor Pressure (mm Hg.)	Not Applicable
Vapor Density (Air = 1)	Not Applicable
Specific Gravity (H <sub>2</sub> O = 1)	Not Applicable
Melting Point	Not Applicable
Evaporation Rate (Butyl Acetate = 1)	Not Applicable
pH	Not Applicable
% Volatiles	None
Solubility in H <sub>2</sub> O	Insoluble

## SECTION III - HAZARDOUS INGREDIENTS "†": NON-HAZARDOUS INGREDIENTS "††"

Ingredient Name	CAS #	OSHA-PEL	ACGIH-TLV	OTHER	%
4-Aminopyridine - CL <sup>†</sup>	504-24-5	NONE	NONE	NONE	0.3
Cracked Corn <sup>††</sup>	NONE	NONE	NONE	NONE	99.7

## SECTION IV - FIRE AND EXPLOSION HAZARD

**Flash Point:** Not Applicable  
**Flammable Limits:** UFL AND LFL Not Applicable  
**Extinguishing Media:** Dry Chemical, CO<sub>2</sub>, Foam, Water  
**Degree of Fire/Explosion Hazard:** No Known Fire or Explosion hazard. Grains will burn at higher temperatures.  
**Special Fire Fighting Procedures:** Do not breathe smoke or vapors; isolate fire; wear full protective clothing and self-contained breathing apparatus.  
**Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Incompatibility/Conditions to Avoid:** Water, excessive heat, fire, chemicals. Burning may produce toxic by-products.  
**Hazardous Decomposition Products:** Burning may produce any number of toxic products including but not limited to carbon dioxide, carbon monoxide, chlorine and hydrogen chloride.

## SECTION V - HEALTH HAZARD DATA

**Primary Routes of Entry:** Acute effects from overexposure may result from ingestion.

**Acute Effects of Overexposure:** There is no human specific data available. The acute oral LD-50 of this product, as packaged, is about 10,000 mg/kg for white rats. However, the single treated kernels are in excess of an LD-50 for the target avian species. Laboratory animals, when administered toxic doses of the formulation exhibited evidence of nervous system effects such as loss of motor control, uncoordination, anxiety, tremors, and involuntary convulsions followed, in some cases by death.

**Chronic Effects From Overexposure:** There are no known chronic effects of overexposure to these products. However, persons handling large quantities of this product who are allergic to grain and grain dust should anticipate similar allergic reactions.

**Medical Conditions Which Might Be Aggravated by Exposure:** Other than grain allergies, none presently known.

**Carcinogenicity:** NTP: No IRAC: No OSHA: No

**SECTION VI - EMERGENCY AND FIRST AID PROCEDURES**

**Eyes:** Avoid contact with eyes. If in eyes, flush with plenty of water. Get medical attention if irritation persists.

**Skin:** Wash thoroughly with soap and water after handling.

**Inhalation:** Not applicable.

**Ingestion:** If this product is swallowed: **If the Patient is Unconscious:** Maintain breathing and heart beat (CPR - Cardiopulmonary resuscitation). Contact your local Poison Control Center, hospital or physician immediately. **If the Patient is Conscious:** Induce vomiting with syrup of Ipecac (If not available, stimulate the back of the throat with finger). Never give anything by mouth to an unconscious person. Contact your local Poison Control Center, hospital or physician immediately.

**SECTION VII - EMPLOYEE PROTECTIVE REQUIREMENTS**

**Ventilation:** Accumulation of grain dust can result in explosive mixtures. When handling this product, provide ventilation to prevent accumulation of dust.

**Work Clothing:** Avoid contact with clothing. Although not required by the label, wearing a long sleeved uniform, coveralls or lab jacket is suggested when handling this product.

**Eye and Respiratory Protection:** Because of grain dust allergies, persons handling these products may consider wearing chemical protective goggles and a NIOSH/MSHA approved dust and mist respirator.

**Gloves:** Because of grain dust allergies, persons handling these products may consider wearing chemical protective gloves, surgical gloves or regularly washed cotton gloves.

**SECTION VIII - STORAGE, SPILL AND WASTE DISPOSAL PROCEDURES**

**Storage Instructions:** Keep out of reach of children and animals. Do not contaminate water, food or feed by storage or disposal. Store in original container only. Store apart from food or animal feed and protect against rodent penetration of the carton. Store apart from other pesticides, fertilizers, food or feed that may cause cross-contamination of odor or insect infestation.

**Handling Instructions:** Wash exposed body areas before eating, drinking, smoking and before going to other intermediate tasks during the workday. Shower at the end of each workday.

**Spill or Leak:** Isolate and post spill area. Wear prescribed protective clothing and equipment. Keep unprotected persons and animals out of the spill area. Keep material out of lakes, streams, and sewer. If unadulterated, product may be packaged in original container for use. If adulterated, shovel waste into an approved drum, sweep area thoroughly and wipe down with wet cloth or towels.

**Disposal Instructions:** Because acceptable methods of disposal may vary by location and because regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal of adulterated product, sweepings and wipe down cloths.

**SECTION IX - SHIPPING DESCRIPTION**

DOT - Not Regulated. UN - Not Regulated.

**SECTION X - HIMS - HAZARD POSTING**

HIMS: Health - 2; Flammability - 0; Reactivity - 0; Other - 0.