Regular Strength Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

Date Prepared: March 10, 1999

Manufacturer's/Preparer's Name: Avitrol Corporation

7644 East 46th Street

Tulsa, Oklahoma

74145

Regular Telephone Number (918) 622-7763 Emergency/Regular Telephone Number (Chemtrec) (800) 424-9300 or (703) 527-3887

PRODUCT NAMES (as shown on label):

Avitrol Wheat-	EPA Reg. No.
Avitrol Sorghum-	11649-1,
Avitrol Mixed Grains-	EPA Reg. No.
Avitrol Corn Chops-	11649-3,
Avitrol Whole Corn-	EPA Reg. No.
	11649-4,
	EPA Reg. No.
	11649-6, OR
	EPA Reg. No.
	11649-7

SECTION I. Product Information

Active Ingredient	4-Aminopyridine-CL
Synonyms	4-AP
Chemical Family	Pyridines
Formula	C5H6 N2-CL

These products are formulations of 0.5% 4-Aminopyridine hydrochloride impregnated grains. The 99.5% inert consist of one of the above grains. These products contain 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=I)	Not applicable
Specific Gravity(H 2 0=1)	Not applicable
Melting Point	Not applicable
Evaporation Rate (Butyl Acetate =I)	Not applicable
pH	Not applicable
% Volatiles	Not applicable
Solubility in H 20	Insoluble

<u>SECTION III - Hazardous Ingredients'</u> <u>Non-Hazardous Ingredients"</u>

Ingredient Name CAS #OSHA-PELACGIH-TLVOTHER %
4-Aminopyridine-CL'001003403NONENONE 0.5
Impregnated Grain"NONE NONENONE 99.5

SECTION IV - Fire and Explosion Hazard

Flash Point -----Not applicable Flammable Limits -----UFL and LFL Not applicable Extinguishing Media ------Dry Chemical, Co 21 Foam, water. Degree of Fire/Explosion Hazard:-----No known fire or explosion hazard. However, 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 Incapability/Conditions to Avoid:-----Water, 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 toxicity of these products, as packaged, ranges from an LD-50 of about 700 mg/kg for some avian species to an LD-50 of about 6500 mg/kg for white rats. Laboratory animals when administered toxic doses of the formulation exhibited evidence of nervous system effects such as loss of motor control, uncoordin4tion, anxiety, tremors, and involuntary convulsions followed by death.

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

Medical Conditions Aggravated by Exposure: Other than grain allergies, none presently known.

Carcinogenicity: <u>NTP</u>: No <u>IRAC</u>: <u>OSHA</u>: No

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
persist .
Skin: Wash thoroughly with soap and
water after handing.
InhalationNot applicable.
Ingestion:If one of these products is
swallowed: If 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 Poison
Control Center, hospital or physician immediately.

SECTION VII - Employee Protective Requirements

Ventilation	Accumulation of grain dust can result
	h handling and/or blending these
•	ins 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 or blending these products with untreated grains.

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

Gloves ------ Because of grain dust allergies, persons handling these product <u>may consider</u> 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.

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 clothes.

SECTION IX - Shipping Description

<u>DOT</u>-- Not regulated. **<u>UN</u>**--Not regulated.

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