

MATERIAL SAFETY DATA SHEET

MSDS

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Date-Issued: 08/14/1996

MSDS Ref. No: BVAN21540

Date-Revised: 10/02/1997

Revision No: 5

Vantage Poly-A Tablets

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Vantage Poly-A Tablets

GENERAL USE: Highly concentrated coagulating and flocking compound for use only in the Vantage(r) Poly-A Feeder.

PRODUCT CODE: 21540VAN

MANUFACTURER

Bio-Lab, Inc.
Vantage Division
P.O. Box 1489
Decatur, GA 30031
Customer SERVICE: (800) 959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300
Rocky Mountain (Medical) (303) 623-5716

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS Registry #</u>	<u>EINECS #</u>
Sulfatodialuminum disulfate tetradecahydrate	97	10043-01-3	233-135-0
Boric acid	2	10043-35-3	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**PHYSICAL APPEARANCE:**

White tablets.

IMMEDIATE CONCERNS:

CAUTION: Irritating to eyes and skin. Avoid contact with eyes, skin or clothing. Harmful if swallowed. Avoid breathing dust or vapors. Wear goggles or safety glasses and rubber gloves when handling this product. Remove and wash contaminated clothing.

POTENTIAL HEALTH EFFECTS**EYES:**

CAUTION: Causes eye irritation. Avoid contact with eyes.

SKIN:

CAUTION: Skin irritation on repeated or prolonged contact or when moisture is present. Avoid contact with skin.

INGESTION:

Harmful if swallowed. Ingestion may irritate gastrointestinal tract. May cause nausea, vomiting and purging.

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INHALATION:

Irritating to nose and throat. Avoid breathing dust or vapors.

CHRONIC:

This product contains a boron compound. This boron compound, when fed to test animals at very high doses, has shown reproductive and developmental toxicity. When this product is used according to label directions, the boron compound in this product does not represent a practical risk to man.

ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

SKIN:

If contact with skin: Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

INGESTION:

Induce vomiting. Call a physician or poison control center immediately.

INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water

HAZARDOUS COMBUSTION PRODUCTS:

Sulfur oxide gases (toxic, oxidizers & corrosive). Sulfur trioxide is a fire hazard.

FIRE FIGHTING PROCEDURES:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

7. HANDLING AND STORAGE

HANDLING:

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with other chemicals may start a chemical reaction generating heat, hazardous gases, fire, and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water, if necessary.

STORAGE:

Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not add any other product to container. Never return unused product to container; dispose of product in accordance with local, state, or federal regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SUPPLIER OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Sulfatodialuminum disulfate tetrahydrate	TWA	N/E		N/E ⁽¹⁾			
Boric acid	STEL					2	

OSHA TABLE COMMENTS:

1. N/E = Not Established

ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to minimize exposure to vapors.

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PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse.

OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

APPEARANCE: Tablet

COLOR: White

pH: 3.61(1% solution)

SPECIFIC GRAVITY: 0.84 g/ml

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

STABILITY:

This product is stable under normal conditions.

POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Sulfur oxide gases (toxic, oxidizers & corrosive). Sulfur trioxide is a fire hazard.

INCOMPATIBLE MATERIALS:

Alkalies and water reactive materials like oleum cause exothermic reactions. Other swimming pool/spa chemicals in their concentrated forms.

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11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Toxicological information indicates this product may be irritating to eyes.

DERMAL LD₅₀: Toxicological information indicates this product may be irritating to skin.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

GENERAL COMMENTS:

This product is not a mutagen or teratogen.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

PRODUCT DISPOSAL:

Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Aluminum sulfate is a SARA Title III Section 313 Toxic Chemical.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Aluminum sulfate RQ is 5,000 lb.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

CLEAN WATER ACT:

Aluminum sulfate is listed as a Clean Water Act Section 311 Hazardous Substance.

GENERAL COMMENTS:

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act):

This product is not a registered pesticide.

16. OTHER INFORMATION

REVISION SUMMARY

Revision #: 5

This MSDS replaces the September 05, 1997 MSDS. Any changes in information are as follows:

NFPA CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 1 SPECIAL: B

HMIS CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 1 PROTECTION: B

MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.
