

MATERIAL SAFETY DATA SHEET

HMIS RATINGS

Health Hazard: 1
Flammability Hazard: 0
Reactivity Hazard: 0

Willert Product No. 594
Issue Date: 3/13/09
Supersedes: Not Applicable.

Product Name: Bowl Fresh[®] Blue plus Bleach Automatic Bowl Cleaner

(The information provided in this Material Safety Data Sheet is directed at occupational exposure and may not be applicable to consumer use of the product.)

Willert Home Products, Inc.
4044 Park St.
St. Louis, MO 63110

EMERGENCY TELEPHONE NUMBER: 314-772-2822 (8:30 AM to 4:30 PM CST)
CHEMTREC 800-424-9300

SECTION 2: COMPONENT INFORMATION

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Concentration in Product</u>
Sodium tetraborate (Borax, anhydrous)	1330-43-4	<25%
Aluminum sulfate	10043-01-3	<5%

See Section 8 for exposure limit information.

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview:

Dark blue and white fused round disk, pleasant characteristic odor (floral). Harmful if swallowed. Dust or vapors may cause eye and respiratory tract irritation. Repeated or prolonged contact may cause skin irritation or allergic skin reactions. Repeated inhalation of dusts could cause respiratory sensitization reactions.

Potential Health Effects:

Relevant Routes Of Exposure: Inhalation, Ingestion, Eye Contact, Skin Contact.

Acute Effects:

Ingestion: May be harmful or fatal if swallowed.

Eyes: Dust or vapors may cause irritation.

Inhalation: Dust or vapors may cause irritation.

Skin: Repeated or prolonged contact may cause skin irritation.

Chronic Effects:

Repeated inhalation exposure to dusts may cause sensitization in susceptible individuals. Symptoms could include difficulty in breathing, shortness of breath, asthmatic attack, skin rashes, and severe eye irritation.

Carcinogenicity: None of the ingredients are listed by NTP, OSHA and IARC.

Reproductive Effects: None expected.

Target Organs: Ocular, respiratory, dermal, and gastrointestinal.

Medical Conditions Aggravated By Exposure: None known.

SECTION 4: FIRST AID PROCEDURES

First Aid Procedures:

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Remove contact lenses, if present, after the first five minutes and continue rinsing the eye. Call a physician or poison control center immediately.

SKIN: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash clothing before reuse. If irritation occurs, get medical attention.

INHALATION: 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. Call a poison control center or doctor for further treatment advice.

INGESTION: Do not give anything by mouth to an unconscious person. Call poison control center or doctor immediately for treatment advice. Have person rinse the mouth with water. If able to swallow, have the person sip a glass of water. Do not induce vomiting unless told to do so by a poison control center or doctor.

SECTION 5: FIRE HAZARDS

Unusual Fire and Explosion Hazards: None known.

Fire Fighting Procedures:

NIOSH approved positive pressure, self-contained breathing apparatus and full protective turnout gear.

Evacuate personnel to an area upwind to avoid smoke and vapors.

Remove containers of this material if it can be done safely.

Use water to keep fire exposed containers cool.

Protective clothing and equipment must be decontaminated if contact with the material or vapors has occurred.

Extinguishing Media: All common extinguishing media are suitable.

Conditions to Avoid: Elevated temperatures.

Hazardous Combustion Products: May produce irritating and toxic smoke and fumes. The composition of the combustion products has not been determined.

Flash Point: Not determined.

Flammability Limits: Lower: Not determined **Upper:** Not determined

Autoignition Temperature: Not determined.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Pre-Entry Spill Procedure:

Shut off source of spill if it is safe to do so.

Eliminate sources of ignition.

Review Section 3 - Hazards Identification and Section 8- Exposure Control/Personal Protection before proceeding with the clean up.

Clean Up and Containment:

Scoop or shovel spilled material into suitable labeled containers with tight fitting lids.

Secure the drum cover and move the container to a safe holding area.

Check area for residual material and repeat clean up if detected.

Environmental Concerns: None known.

Treatment and Disposal:

Decontaminate or dispose of all protective clothing and equipment.

See Section 13 - Disposal Recommendations for disposal information.

Reporting Requirements:

Report all releases which are likely to endanger the public health, harm the environment, or cause complaint to the appropriate State or Local officials.

SECTION 7: HANDLING AND STORAGE

General Measures:

Store in a dry area at room temperature.

Do not generate dust or exposure to ignition source.

Keep away from heat, sparks, and flame.

Materials or Conditions to Avoid:

Contact with oxidizing and reducing agents.

Moisture and high humidity conditions.

Elevated temperatures.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

General Hygienic Practices:

Do not get on eyes, skin, or clothing.

Do not breathe dust or fumes.

Wash thoroughly after handling.

Recommended Exposure Limits:

Sodium tetraborate (Borax, anhydrous) ACGIH TLV: 1 mg/m³ 8-hr TWA
OSHA PEL: 10 mg/m³ 8-hr TWA

Aluminum, soluble salts (as Al) ACGIH TLV: 2 mg/m³ 8-hr TWA

Personal Protective Equipment:

Eyewear: Chemical goggles.

Skin: Gloves are recommended if there is a potential for skin contact. A plastic or rubber glove which provides a physical barrier to the powder is required. Use disposable spun polyolefin (e.g. Tyvek) coveralls or equivalent to protect against contact. Consult the glove and clothing manufacturers, suppliers and/or industrial hygienist for further information.

Respiratory Protection: Respiratory protection is required whenever air contamination (dust, mist, or vapors) is generated by the process. A NIOSH approved high efficiency toxic dust/mist/fume respirator is recommended.

Work Practices and Engineering Controls: General room ventilation is adequate unless the process generates dust or fumes. Prevent the accumulation of dust in the work area by thorough periodic cleaning of the area.

Protective Measures During Repair and Maintenance: No special measures are required. Follow the recommendation for personal protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Two (2) fused round disks [Approx. 5/8 inch (16 mm) high x 2 in. (5 cm) diameter.]
Total weight: 3.4 oz. (96g)/ 1.7 oz. (48g) each.

Color: Dark blue and white.

Odor: Pleasant floral characteristic odor.

Taste: Not determined.

pH: Not determined.

Volatile (Wt. or Vol.), %: Not determined.

Moisture Content, (Wt.) %: Not determined.

Solubility in Water: Slightly soluble in water.

Solubility - other solvents: Not determined.

Specific Gravity/Bulk Density: 84.63 lb/ft³

Vapor Pressure: Not determined.

Vapor Density (air = 1): Not determined.

Evaporation Rate: < butyl acetate

Boiling Point: Not determined.

Melting Point: Not determined.

SECTION 10: STABILITY AND REACTIVITY

General Stability Considerations: Stable at room temperature.

Incompatible Materials: Oxidizing, reducing agents and moisture.

Hazardous Decomposition Products: Not determined.

Hazardous Polymerization: Does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

No data available on the formulated product.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate: No data available

Ecotoxicity: No data available.

SECTION 13: DISPOSAL RECOMMENDATIONS

Waste Disposal Method: Dispose of material, liners, and containers in accordance with all applicable federal, state, and local environmental regulations.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT: Not regulated.

SECTION 15: REGULATORY INFORMATION

SARA TITLE III: Not applicable.

California Proposition 65 List: None of the ingredients are listed.

SECTION 16: OTHER INFORMATION

None.

LIST OF ACRONYMS

ACGIH: American Conference of Governmental Industrial Hygiene
AIHA WEEL: American Industrial Hygienists Association - Workplace Environmental Exposure Level
ANSI: American National Standards Institute
C: Ceiling
California Prop. 65: California Safe Drinking Water and Toxic Enforcement Act (Prop 65)
Canadian WHMIS: Canadian Workplace Hazardous Materials Information System Ingredient Disclosure
CASRN: Chemical Abstracts Service Registry Number
CERCLA: Comprehensive Emergency Response, Compensation and Liability Act
DOT: U. S. Department of Transportation
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMO: International Maritime Organization
N/A: Not Applicable
NOR: Not Otherwise Regulated
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: OSHA Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act
RQ: Reportable Quantity
SARA: Superfund Amendment Reauthorization Act
STEL: Short-Term Exposure Limit
TLV: Threshold Limit Values (registered trademark of ACGIH)
TPQ: Threshold Planning Quantity
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty, or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.