



Material Safety Data Sheet

60 Elm Street
Canal Winchester, OH 43110
Telephone: 1-888-837-0370
Fax: 1-888-837-0360

Winchester Gardens™ Tree & Shrub Fertilizer Spikes, 15-10-9

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Winchester Gardens™ Tree & Shrub Fertilizer Spikes, 15-10-9
Product Description: Mixture
Part Number: WG10, WG11, WG12
Manufacturer: Winchester Gardens
60 Elm Street
Canal Winchester, OH 43110

Information Telephone Number: 1-888-837-0370
24-Hour Emergency Contact Number: 1-888-837-0370

2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Chemical Name	CAS Number	OSHA PEL
Ammonium sulfate	7783-20-2	Not established
Nuisance Dust* (occupational use only)	None	15mg/m ³ (inhalable) 5 mg/m ³ (respirable)

Comments: This product contains the following non-hazardous ingredients:
Ammonium Phosphate, Potassium Chloride and Water.

*This value is for particulate matter containing no asbestos and less than 1% crystalline silica. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

3. PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance: Granular
Odor: Slight ammonia odor.
Color: Blue/Green
Melting Point: 271* F to 631* F
Specific Gravity: 0.80
Solubility in Water: 28 grams per 100 milliliters of water.

4. FIRE AND EXPLOSION HAZARDS

Flash Point and Method: Non-Combustible.

Extinguishing Media: Water, carbon dioxide, fine earth, dry chemical or sand. Use extinguishing media appropriate for the surrounding fire.

Explosion Hazards: Keep away from heat, sparks or flames. Flood with water to cool containers.

Fire Fighting Procedures: Wear self-contained breathing apparatus.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, potassium and potassium containing compounds, chlorine and chlorine containing compounds, ammonia, cyanuric acid, cyanic acid and phosphorous and phosphorous containing compounds.

5. REACTIVITY AND STABILITY

Stable: YES

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: Excessive heat, contact with strong alkalis, fuels and other combustible materials.

Materials to Avoid: Active metals such as aluminum and magnesium. Strong oxidizing agents, strong acids, strong bases, reducing agents and chlorine compounds.

6. HEALTH HAZARD DATA

Potential Health Effects

Skin – May cause mild irritation.

Eyes – May cause slight, temporary irritation.

Ingestion – May cause nausea, vomiting and discomfort to the mouth, throat, esophagus and stomach.

Inhalation- High dust concentrations may cause mild upper respiratory tract irritation with coughing and nasal discharge.

Routes of Entry: Ingestion, skin and absorption, inhalation.

Medical Conditions Generally Aggravated by Exposure:

7. FIRST AID MEASURES

Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes (removing contact after the first 5 minutes). Call physician for treatment advice.

Skin: Remove from skin, wash affected area with soap and water.

Ingestion: If swallowed call 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 by a doctor or poison control center. Do not give anything to an unconscious person by mouth.

Inhalation: Move person to fresh air. Call poison control center or doctor for further treatment advice. If person is not breathing call 911 then give mouth to mouth.

8. SAFE HANDLING AND STORAGE PRECAUTIONS

In Case of Spill or Release: Shovel, sweep or scoop material into a suitable container and cover. Flush area with water. Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

Waste Disposal Method: Waste disposal must be in accordance with Federal, state and local regulations.

Precautions in Storage: Store in a cool, dry area in closed container or package. Keep containers closed at all times. Store away from incompatible materials. Use with proper personal protective equipment. KEEP OUT OF REACH OF CHILDREN.

General Procedures: (manufacturing only) Rinse all equipment after use. Collect all rinse water and apply to lawn/garden areas.

Handling: Wash hands with soap and water after handling product. Follow specific use instructions supplied with the product.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: If industrial hygiene surveys show that exposures exceed TLV's or other exposure limits, use a combination of local exhaust and general dilution/ventilation to control exposures.

Personal Protective Equipment

Eyes and Face – Safety glasses with side shields are recommended.

Skin – Protective gloves are recommended.

Respiratory – If concentrations are below established limits, no respiratory protection is necessary.

10. REGULATORY INFORMATION

United States

SARA Title III

311/312 Hazard Categories

Fire: NO

Pressure Generating: NO

Reactivity: NO

Acute: YES

Chronic: NO

Proposition 65 Statement: None of the indicated components of this product are listed on California's Safe Drinking Water and Toxic Enforcement Act of 1986 list of chemicals known to cause reproductive toxicity or cancer.

PREPARED BY: Douglas E. Culp, Quality Manager, Dysart Corp.

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