

**21-0-8 + Mallet™ 0.2%                      Item No. 2254860**  
**MATERIAL SAFETY DATA SHEET**

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**Spring Valley**  
**1891 Spring Valley Road**  
**Jackson, WI 53037**  
**262-677-2273**

**Approval Date: March 6, 2008**  
**Supersedes: None**

**I. PRODUCT NAME:**                      **21-0-8 + Mallet™ 0.2% Item No. 2254860**  
**EPA Reg. No. 228-500**

**II. HAZARDOUS INGREDIENTS**

<b><u>Ingredient Name</u></b>	<b><u>Content</u></b>	<b><u>CAS Number</u></b>	<b><u>Exposure Limits</u></b>
Muriate of Potash	Varies	7447-40-7	10 mg/m <sup>3</sup> as dust
Urea	Varies	57-13-6	10 mg/m <sup>3</sup> as dust
Poly Coated Sulfur Coated Urea	Varies	Mixture	10 mg/m <sup>3</sup> as dust
Dolomite Granules	Varies	Mixture	10 mg/m <sup>3</sup> as dust
Imidacloprid	Varies	138261-41-3	not established

**III. PHYSICAL PROPERTIES**

**Appearance and Odor:** Multi-colored to solid colored granular mixture with slight odor.  
**Boiling Point:** Not applicable                      **Solubility in Water:** Partially soluble  
**Density:** 48 pounds/cubic foot                      **Specific Gravity:** Not applicable  
**Evaporation Rate:** Not applicable                      **Vapor Density:** Not applicable  
**Freezing Point:** Not applicable                      **Vapor Pressure:** Not applicable  
**pH:** 6.26                      **Viscosity:** Not applicable

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

**IV. FIRE AND EXPLOSION DATA**

**Flash Point:** Not applicable  
**Autoignition Temperature:** Not applicable  
**Flammability Limits:** Not applicable

**Extinguishing Media:** Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water spray or fog.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

**Unusual Fire and Explosion Hazards:** If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later

**Hazardous Decomposition Materials (Under Fire Conditions):** May produce hydrogen chloride, hydrogen sulfide, ammonia, and oxides of carbon, nitrogen, phosphorus and sulfur.

**National Fire Protection Association (NFPA) Hazard Rating:**

**Rating for this product: Health: 1    Flammability: 1    Reactivity: 0**  
Hazards Scale: 0 = Minimal    1 = Slight    2 = Moderate    3 = Serious    4 = Severe

## **V. HUMAN HEALTH DATA**

### **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

### **Exposure Guidelines:**

	<i>OSHA</i>		<i>ACGIH</i>		
<i>Component</i>	<i>TWA</i>	<i>STEL</i>	<i>TWA</i>	<i>STEL</i>	<i>Unit</i>
Imidacloprid	NE	NE	NE	NE	

NE = Not Established

## **VI. EMERGENCY AND FIRST AID PROCEDURES**

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Call a 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 do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Note to Physician:** No specific antidote is available. Treat the patient symptomatically.

## **VII. EMPLOYEE PROTECTION RECOMMENDATIONS**

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

**Respiratory Protection:** Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

**General Hygiene Considerations:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

**VIII. REACTIVITY DATA**

Stability:..... Stable  
Hazardous polymerization:..... Does not occur.  
Incompatibilities:..... None known.  
Instability conditions:..... None known.  
Decomposition products;..... Not established.

**IX. SPILL AND LEAK PROCEDURES:**

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Wash entire spill area with a detergent slurry, absorb and sweep into container for disposal. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

**Other Information:** Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

**X. SPECIAL PRECAUTIONS AND STORAGE DATA**

Technical shipping name:..... Not regulated.  
Proper shipping name:..... Not regulated.  
Hazard Class or Division:..... Not regulated.

**XI. OTHER REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**TSCA Inventory:** This product is exempted from TSCA because it is solely for FIFRA regulated use.

**SARA Hazard Notification/Reporting:**

**Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):** Immediate

**Section 313 Toxic Chemical(s):** None

**Reportable Quantity (RQ) under U.S. CERCLA:** None

**RCRA Waste Code:** None

**State Information:**

Other state regulations may apply. Check individual state requirements.

**California Proposition 65:** Not Listed.

**XII. FEDERAL REGULATORY INFORMATION**

OSHA Status:..... Components listed.  
TSCA Status:..... This product is exempt from TSCA Regulation.  
CERCLA Reportable Quantity:..... No components listed.  
SARA Title III  
    Section 302:..... No components listed.  
    Section 311/312:..... No components listed.  
    Section 313:..... No components listed.  
RCRA Status:..... Not considered a hazardous waste under RCRA.

**XIII. DISCLAIMER**

Information contained in this Material Safety Data Sheet is accurate as of the date written. No implications are intended beyond information presented in this document.