

**MATERIAL SAFETY DATA SHEET**

Luster Leaf Products, Inc.  
 2220 Techcourt  
 Woodstock, IL 60098  
 815-337-5560  
 815-337-5567 fax  
 800-327-4635

5/14/2003

**SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION**

Material Name:

Soil Test Kit, N Test Reagent (1601, 1609)  
 (Total contents = 275 mg.)

Ingredients	CAS No.	%	TLV(ACGIH)
Lactose		CA 80%	
Tartaric Acid		CA 12%	
Anhydrous Manganese Sulphate		CA 4%	
Sulphanilic Acid		CA 2%	
N.I. Naphthylethylene Diamine Dihydrochloride		CA 1%	
Zinc Powder		CA 1%	

Ingredients not precisely identified are proprietary or nonhazardous.  
 Values are not product specifications. GT = greater than, LT = less than,  
 CA = approximately.

**SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point:	Unknown
Vapor Pressure (mmHg at 20 C):	Unknown
Solubility in water:	Very soluble
pH:	Unknown
Specific Gravity:	Unknown
Appearance and odor:	White, odorless powder

**SECTION 3 - FIRE AND EXPLOSION DATA**

Flash Point and method:	N/A
Autoignition:	No
Flammable limits (STP):	N/A
Extinguishing Media:	N/A
Special fire fighting protective equipment:	None
Unusual fire and explosion hazards:	

May evolve toxic fumes in fire.

**SECTION 4 - REACTIVITY DATA (Soil Test Kit, N continued)**

Stability:	Stable under normal conditions.
Incompatibility (materials to avoid):	Oxidizers
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur.

**SECTION 5 - HEALTH HAZARD DATA**

**Emergency First Aid Procedures** - Seek medical assistance for further

treatment, observation and support if necessary.

Ingestion: *Wash* out mouth thoroughly with water and drink plenty of water. In severe cases, seek attention.

Eye Contact: *Irrigate* thoroughly with water. If discomfort persists, obtain medical attention.

Skin Contact: *Wash* thoroughly with soap and water.

Inhalation: *Remove* from exposure. In severe cases, obtain medical attention.

Other: *None* known.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Ventilation: Normal room ventilation.

Respiratory protection: None required for recommended use.

Protective clothing: Rubber or plastic gloves.

Eye protection: Goggles or glasses.

Other protective equipment: None required.

Hygienic work practices: Do not smoke while using, as test results may be affected. Wash hands thoroughly after use.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be taken in case material is spilled or released:

Wash away spillage with water.

Waste Disposal Method:

Wash away spillage with water.

Precautions to be taken in handling or storing:

Store tightly closed in original container in dry conditions. Avoid extremes of temperature.

The information herein is given in good faith but no warranty, expressed or implied, is made.

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### SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Material Name: **Soil Test Kit, pH Test Reagent** (1601, 1609, 1612, 1615)  
 (Total contents = 685 mg.)

Ingredients	CAS No.	%	TLV(ACGIH)
Barium Sulfate		GT 99%	
Methyl Red		CA .025%	
Bromothymol Blue		CA .05%	

Ingredients not precisely identified are proprietary or nonhazardous.  
 Values are not product specifications. GT = greater than, LT = less than,  
 CA = approximately.

### SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	Unknown
Vapor Pressure (mmHg at 20 C):	Unknown
Solubility in water:	Insoluble
pH:	Unknown
Specific Gravity:	Unknown
Appearance and odor:	White, odorless powder

### SECTION 3 - FIRE AND EXPLOSION DATA

Flash Point and method:	N/A
Autoignition:	No
Flammable limits (STP):	N/A
Extinguishing Media:	N/A
Special fire fighting protective equipment:	None
Unusual fire and explosion hazards:	May evolve toxic fumes in fire.

### SECTION 4 - REACTIVITY DATA

Stability:	Stable under normal conditions.
Incompatibility (materials to avoid):	Oxidizers
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur.

### SECTION 5 - HEALTH HAZARD DATA (Soil Test Kit, pH continued)

**Emergency First Aid Procedures** - Seek medical assistance for further

treatment, observation and support if necessary.

Ingestion: Drink plenty of water. Seek medical advice.  
Eye Contact: Irrigate with water until dispersed.  
Skin Contact: Wash thoroughly with soap and water.  
Inhalation: Clear airways and seek medical advice.  
Other: None known.

## **SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

Ventilation: Normal room ventilation.  
Respiratory protection: None required for recommended use.  
Protective clothing: Rubber or plastic gloves.  
Eye protection: Goggles or glasses.  
Other protective equipment: None required.  
Hygienic work practices: Do not smoke while using, as test results may be affected. Wash hands thoroughly after use.

## **SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

Steps to be taken in case material is spilled or released:

Wash away spillage with water.

Waste Disposal Method:

Wash away spillage with water.

Precautions to be taken in handling or storing:

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**SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION**

Material Name:

Soil Test Kit, Potash (K) Test Reagent (1601, 1609)  
 (Total contents = 285 mg.)

Ingredients	CAS No.	%	TLV(ACGIH)
Sodium Chloride		GT 99%	
Bismark Brown R		CA .2%	
Sodium Tetraphenyl Boron		CA .5%	

Ingredients not precisely identified are proprietary or nonhazardous.  
 Values are not product specifications. GT = greater than, LT = less than,  
 CA = approximately.

**SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point:	Unknown
Vapor Pressure (mmHg at 20 C):	Unknown
Solubility in water:	Very soluble
pH:	Unknown
Specific Gravity:	Unknown
Appearance and odor:	White, odorless powder

**SECTION 3 - FIRE AND EXPLOSION DATA**

Flash Point and method:	N/A
Autoignition:	No
Flammable limits (STP):	N/A
Extinguishing Media:	N/A
Special fire fighting protective equipment:	None
Unusual fire and explosion hazards:	None

**SECTION 4 - REACTIVITY DATA**

Stability:	Stable under normal conditions.
Incompatibility (materials to avoid):	None
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur.

**SECTION 5 - HEALTH HAZARD DATA (Soil Test Kit, K continued)**

**Emergency First Aid Procedures** - Seek medical assistance for further treatment, observation and support if necessary.

Ingestion:	<i>Ingestion</i> in large amounts may cause irritation. Wash out mouth thoroughly with water. In severe cases, obtain attention.
Eye Contact:	<i>Irrigate</i> thoroughly with water. If discomfort persists, obtain attention.
Skin Contact:	<i>Wash</i> thoroughly with soap and water.
Inhalation:	<i>Remove</i> from exposure. In severe cases, obtain <i>medical attention</i> .
Other:	<i>None</i> known.

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

Ventilation:	Normal room ventilation.
Respiratory protection:	None required for recommended use.
Protective clothing:	Rubber or plastic gloves.
Eye protection:	Goggles or glasses.
Other protective equipment:	None required.
Hygienic work practices:	Do not smoke while using, as test results may be affected. Wash hands thoroughly after use.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

Steps to be taken in case material is spilled or released:

Wash away spillage with water.

Waste Disposal Method:

Wash away spillage with water.

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