

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

Product #30195

U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**

LUTZ SUPER IRON CHLOROSIS PELLETS

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I**Manufacturer's Name**

REMKE ENTERPRISES, INC.

Emergency Telephone Number

1-800-373-7542

Address (Number, Street, City, State, and ZIP Code)

22005 KISHWAUKEE VALLEY ROAD

Telephone Number for Information

1-800-203-7740

MARENGO, IL 60152

Date Prepared

10-2-2002

Made exclusively for:

LUTZ CORPORATION

Signature of Preparer (optional)

OREGON, IL 61061

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ureaform	N/A	N/A	N/A	
Iron Sucrate	N/A	N/A	N/A	
Elemental Sulfur	N/A	N/A	N/A	

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity ($H_2O = 1$)	3.4g/cm ³
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Not Volatile

Solubility in Water

Pellets dissolve in water.

Appearance and Odor

Gray, 15 grams/pellet - no odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Not flammable	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	Dry chemicals, carbon dioxide, water spray or foam as appropriate for surrounding area.				
Special Fire Fighting Procedures	Use self-contained breathing apparatus.				

Unusual Fire and Explosion Hazards

NONE

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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

Avoid heating to decomposition.

Hazardous Polymerization

May Occur

Will Not Occur

X

Conditions to Avoid

Section VI — Health Hazard Data

Route(s) of Entry:

Inhalation?

Yes

Skin?

N/A

Ingestion?

Yes

Health Hazards (Acute and Chronic)

INHALATION: May cause irritation of nasal membranes & upper respiratory tract.

INGESTION: Of large amounts may be harmful.

SKIN: Contact may cause irritation.

Carcinogenicity:

N/A

NTP?

IARC Monographs?

OSHA Regulated?

Signs and Symptoms of Exposure

Irritation

Medical Conditions

Generally Aggravated by Exposure

None Known

Emergency and First Aid Procedures

Induce vomiting if swallowed. If eye irritation exists, flush with water.

If skin irritation exists, wash skin with soap and water.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Collect and contain for salvage or disposal. Dry sweeping may be used.

Waste Disposal Method

Normal landfill disposal.

Precautions to Be Taken in Handling and Storing

Normal handling. Keep dry.

Other Precautions

N/A

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Dust or mist respirator if necessary.

Ventilation

Local Exhaust

Special

N/A

Mechanical (General)

Other

Protective Gloves

Recommended if irritation exists.

Eye Protection

Recommended if irritation exists.

Other Protective Clothing or Equipment

None

Work/Hygienic Practices

Wash hands thoroughly after handling and before eating or smoking.

Material Safety Data Sheet

Lutz Corporation

HMIS Codes: Health = 0, Flammability = 0, Reactivity = 0, Personal Protection = B

SECTION I : PRODUCT IDENTITY

Product Name: **Lutz Potassium Spike** #30192

Manufacturers Info: Lutz Corporation
208 North Parkside Road
Normal, IL 61761

For Emergency: 1-800-203-7740

For Information: 1-630-878-3746

Date Prepared: October 3, 2002

SECTION II : HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

Hazardous Components	PEL	TLV	Wt. % Hazardous
	Not Available	10mg/m3 Nuisance Dust	Non-Hazardous 100%

This product is not classified as a hazardous material. Each Spike is a non-hazardous blend of potassium nitrate, magnesium sulfate, and other non-hazardous proprietary binders.

Potassium Nitrate CAS# 7757-79-1
Magnesium Sulfate CAS# 7487-88-9

Binder RW-25 CAS# 9011-05-6
Lube Carbowax CAS# 25322-68-3

SECTION III : PHYSICAL DATA

Boiling Point : N/A

Vapor Pressure : N/A

Vapor Density : N/A

Solubility in Water : Spikes dissolve in water

Appearance : Spikes are blue in color. 146 grams each. No odor.

Specific Gravity : 2.70g/cm3

Melting Point : N/A

Evaporation Rate : Not volatile

SECTION IV : FIRE AND EXPLOSION HAZARD DATE

Flash point : Not flammable

Flammable limits : N/A

Extinguishing Media : Use water or other agent suitable for surrounding fire.

Special Fire Fighting Procedures : Wear full protective clothing and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards : Excessive inhalation of fumes from metals can produce metal fume fever. Toxic and irritating gas may be evolved in fire.

SECTION V : REACTIVITY DATA

Stability (Normal Conditions) : Stable

Conditions to avoid : None listed

Incompatibility : None listed

Hazardous Polymerization : Will not occur

SECTION VI : PERSONAL PROTECTION INFORMATION

Respiratory Protection: In dusty conditions, a NIOSH approved particulate respirator is recommended.

Eye Protection: Safety glasses with side shields, goggles or faceshield are recommended.

Skin Protection: Long sleeves, rubber gloves.

Ventilation Protection: Adequate ventilation or local exhaust ventilation to protect from nuisance dust.

SECTION VII : HEALTH HAZARD DATA

Health Hazards: Dust is irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing and shortness of breath. Skin irritation may result; repeated or prolonged exposure may cause dermatitis.

Ingestion: Of large amounts may be harmful.

Inhalation: Where adequate ventilation is not available use NIOSH approved respirators for dust.

Eye Contact: Not normal but, should it occur, immediately flush with water for at least 20 minutes.

Seek medical attention if irritation persists.

Skin Contact: Minimize skin contact. Use gloves and clean clothing as necessary.

Effects of Overdose: Inhalation of thermal decomposition products may be aggravating and toxic.

Emergency and First Aid Procedures:

Ingestion: If victim is conscious, give large quantities of water and induce vomiting. Call doctor.

Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

Eyes: Flush with running water for at least 20 minutes. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Seek medical attention if irritation persists.

SECTION VIII : PRECAUTIONS FOR SAFE HANDLING AND USE

Spill/Release Procedures: Sweep up spilled product and store to re-use.

Waste Disposal Method: Apply as fertilizer to field or normal landfill disposal.

Handling/Storing Precautions: Store in dry area. Mildly corrosive to copper, brass, alloy and metals.

Store away from strong acids and oxidizers. Keep away from children, feed and foodstuffs.

Note: The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination s to its suitability for their purposes prior to use. In no event will Lutz Corporation be responsible for damages of any nature whatsoever resulting in the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness or a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.