

## Safety Data Sheet



**Lynn Peavey Company**  
**10749 W. 84th Terrace**  
**Lenexa, KS 66214**

**1. Identification**

Product Name: Lynn Peavey Silver Grey Magnetic Fingerprint Powder 01971  
Item number: See "Product Codes" MSDS Number: LP SGMFP 01971  
Product use: Helps reveal fingerprints. Product Codes: 01971, 06559, 06560, 06563, 55593  
Chemical Family or Formula: Mixture  
Supplier: Lynn Peavey Company  
10749 W. 84th Terrace Phone: 913-888-0600  
Lenexa, KS 66214 Fax: 913-495-6757  
Product Information: 913-888-0600 Email: lpv@peaveycorp.com  
Transportation Emergency: 800-424-9300 (U.S. and North America)  
(703) 527-3887 (Outside U.S. collect calls accepted)

**2. Hazard(s) identification**

GHS Classification in accordance with 29 CFR 1910

None: Hazards do not reach threshold required for least severe of any category.

GHS Label elements, including precautionary statements

Signal word: None (Hazards do not reach threshold required for least severe category.)

Pictogram: None (Hazards do not reach threshold required for least severe category.)

Hazard statements:

H319 May cause eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P281 Use personal protective equipment as required.

P260 Do not breathe dust or mist.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

**3. Composition / Information on ingredients**

Chemical identity:	Iron powder	85-90%
Common name:	Iron powder	
Numbers of identity:	CAS 7439-89-6	EC 231-096-4
Impurities:	None which influence classification	
Chemical identity:	Tri iron tetra oxide	10-15% (Iron (II,III) Oxide)
Common name:	Magnetite, Iron oxide, Fe <sub>3</sub> O <sub>4</sub>	
Numbers of identity:	CAS 1309-37-1	EC 215-277-5
Impurities:	None which influence classification	

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### 4. First-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of danger.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: Severe eye irritation.

Indication of any immediate medical attention and special treatment needed when necessary: No data.

### 5. Firefighting measures

Suitable extinguishing media: Product is not flammable. Use media appropriate to main cause of fire.

Examples: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: None known.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid dust formation. Avoid breathing dust if developed.

Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions

Prevent more spillage if safe to do. Avoid discharge into drains and the environment.

Arrange pick up and disposal without creating dust. Sweep up or shovel.

Store in a suitable, closed container for disposal or reclaim.

For disposal see section 13.

### 7. Handling and storage

Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Storage: Keep container tightly closed in a dry place.

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**8. Exposure controls / personal protection**

Information on the system design:

Product is intended for external use only. Stay up wind, out of any dust developed.

Exposure Limits:	Reference 29CFR 1910.1000 Table Z-1		
Component Name, CAS#	ACGIH	OSHA	
Iron powder CAS 7439-89-6	NE	NE	
Ferric oxide CAS 1317-61-9	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	

NE= Not Established

Personal protective equipment

Respiratory protection: No requirement anticipated.

Hand protection: No requirement anticipated.

Eye protection: Safety glasses with side-shields as appropriate.

Skin and body protection: No requirement anticipated.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties**

Appearance: Dense, grey powder  
Odor: Nil  
Odor threshold: Not available  
pH-value: Not applicable  
Melting point: Not available  
Freezing Point: Not available  
Initial boiling point: Not available  
Flash point: Does not flash.  
Evaporation rate: Not applicable  
Flammability (solid, gas): Not applicable  
Explosion limits: Not explosive  
Vapor pressure: (highest partial vapor pressure) at 20°C: Not available  
Vapor density: Not available  
Relative density (water=1.00): Not available  
Solubility: Insoluble in water at 20°C  
Partition coefficient: Log Kow = Not applicable to mixture.  
Auto-ignition temperature: Not available  
Decomposition temperature: Not available  
Viscosity: Powder

**10. Stability and reactivity**

Chemical stability: No decomposition, if used according to specifications.

Possibility of hazardous reactions: Contact with water and acids will generate hydrogen gas.

Conditions to avoid: No dangerous conditions known. Humidity will rust the product.

Materials to avoid: Reacts with all acids, organic and mineral. Iron oxides are not compatible with hydrazine, calcium hypochlorite, performic acid and bromine pentafluoride.

Hazardous decomposition products: None are known. Also see Section 5.

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**11. Toxicological information**

Acute Toxicity: No information available for finished product.

Test	Iron powder	Ferric oxide
	CAS 7439-89-6	CAS 1317-61-9
Oral Toxicity LD 50 (Rats)	7,500 mg/kg	>5,000 mg/kg
Dermal Toxicity LD 50 (Rabbit)	No data	No data
Inhalation Toxicity, Vapor, LC50	No data	No data
Eye Irritation (Rabbit)	Irritating	Not irritating
Dermal Irritation (Rabbit)	Irritating	Not irritating
Germ cell mutagenicity:	No data	Negative

Carcinogenicity:

No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen is present in this product.

Signs and Symptoms of Exposure:

Material is irritating to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Symptoms include: severe eye irritation.

**12. Ecological information**

There is no ecological information available for the product.

**Iron**

Toxicity to fish static test - *Morone saxatilis* - 13.6 mg/l - 96 h

**Ferric oxide**

No harmful effects known other than those associated with suspended inert solids in water.

**Product:** No data available.

Persistence and degradability:

The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment:

PBT/ vPvB assessment not available because chemical safety assessment not required/not conducted.

Other adverse effects: None known.

**13. Disposal considerations**

Dispose in accordance with local, state and federal regulations.

Dispose of contaminated packaging as unused product.

**14. Transport information**

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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**15. Regulatory information**

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

**U.S. Regulations:**

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name

CAS Number

Concentration

None

Not applicable

Not applicable

The following product components are cited on the lists below:

Chemical Name CAS Number

Right to Know (RTK) List Citations

Iron powder CAS 7439-89-6

PA, NJ

Ferric (II,III) oxide CAS 1309-61-5

PA, NJ

California Proposition 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. Other information**

SDS Preparation date: January 22, 2015

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	No	No	No	No	OSHA 29 CFR 1910.1200 and
Delayed	No	No	XXX	XXX	SARA 302/311/312/313.
HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

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Note: The information in this SDS was obtained from current reputable and competent sources.

However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

This SDS contains all the information required for classification by the Canadian CPR.

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA). It is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.