



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

1. Identification

Product Name:	Lynn Peavey Magnetic Grey Powder	MSDS Number:	LP MGP
Item number:	See "Product Codes"	Product Codes:	01184, 01944, 30058, 55572, 55578, 55594
Product use:	Helps reveal fingerprints.		
Chemical Family or Formula:	Mixture		
Supplier:	Lynn Peavey Company 10749 W. 84th Terrace Lenexa, KS 66214	Phone:	913-888-0600
		Fax:	913-495-6757
		Email:	lpv@peaveycorp.com
Product Information:	913-888-0600		
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 1910.1200:
Eye irritation (Category 2A) H318 Causes serious eye irritation.
Carcinogenicity (Category 2), H351 Suspected of causing cancer.
GHS Label elements, including precautionary statements
Pictogram



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P260 Do not breathe dust or mist.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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

P310 Immediately call a POISON CENTER or doctor/ physician.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing.
Rinse skin with water/ shower

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.

P321 Specific treatment (see supplemental first aid instructions on the label).

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.
Product contains 9% of a component of unknown toxicity: ferric oxide.

3. Composition / Information on ingredients

Chemical identity:	Iron powder	89.5%
Common name:	Iron powder	
Numbers of identity:	CAS 7439-89-6	EC 231-096-4
Impurities:	None which influence classification	
Chemical identity:	Diiron trioxide	9.0%
Common name:	Ferric oxide	
Numbers of identity:	CAS 1309-37-1	EC 215-168-2
Impurities:	None which influence classification	
Chemical identity:	Titanium (IV) oxide	1.5%
Common name:	Titanium dioxide	
Numbers of identity:	CAS 13462-67-7	EC 236-675-5
Impurities:	None which influence classification	

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: More iron oxides formed.

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.

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 1309-37-1	5 mg/m ³	10 mg/m ³	
Titanium dioxide CAS 13462-67-7	10 mg/m ³	15 mg/m ³	

NE= Not Established

Personal protective equipment

Respiratory protection: No requirement anticipated.

Hand protection: Rubber gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

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: Totally soluble 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.

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

11. Toxicological information

Acute Toxicity: No information available for finished product.

Test	Iron powder CAS 7439-89-6	Ferric oxide CAS 1309-37-1	Titanium dioxide CAS 13462-67-7
Oral Toxicity LD 50 (Rats)	7,500 mg/kg	No data	>10,000 mg/kg
Dermal Toxicity LD 50 (Rabbit)	No data	No data	>10,000 mg/kg
Inhalation Toxicity, Vapor, LC50	No data	No data	No data
Eye Irritation (Rabbit)	Irritating	Irritating	No eye irritation
Dermal Irritation (Rabbit)	Irritating	Irritating	Mild- 3h
Germ cell mutagenicity:	No data	No data	No data
Carcinogenicity	No data	No data	Micronucleus test, pos, mouse

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 skin or 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 information

Titanium dioxide

Toxicity to fish LC50 - other fish - > 1,000 mg/l - 96 h

Toxicity to daphnia and EC50 - *Daphnia magna* (Water flea) - > 1,000 mg/l - 48 h
other aquatic invertebrates

EC0 - *Daphnia magna* (Water flea) - 1,000 mg/l - 48 h

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: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

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

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 oxide CAS 1309-37-1

MA, PA, NJ

Titanium dioxide CAS 13462-67-7

MA, PA, NJ

California Proposition 65

WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm: Titanium dioxide CAS 13462-67-7

Titanium dioxide, nanoparticles range in size from 1 to 150 nm

16. Other information

SDS Preparation date: August 11, 2014

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	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.