

MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information

Product Name : Magnetic Iron Powder
 SKU / UPC : MP-1G32 / 64213512523; MP-2Q16 / 79267116799; MP-1Q08 / 79267116798
 Synonyms : Sponge Iron Powder /Iron Powder/Reduced Iron Powder
 CAS No : 7439-89-6
 Molecular Weight : 55.85
 Chemical Formulae : Fe
 Manufacturer : Wallworks Design LLC
 212 Technology Drive, Ste L, Irvine, CA 92618
 Contact : (949) 678-3818
 Email : info@wallworksdesign.com, safety@wallworksdesign.com
 Date Updated : September 1, 2023

Section 2: Composition/Information on Ingredients

Ingredient	CAS No	Percent by weight
Iron(Fe)	7439-89-6	90 – 100

Section 3: Hazards Identification

Inhalation: No significant irritation expected other than mechanical irritation.

Ingestion: No significant health hazard identified.

Skin Contact: No significant irritation expected other than mechanical irritation

Eye Contact: No significant irritation expected other than mechanical irritation

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water for 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention if irritation continues.

Skin: Wash skin thoroughly with soap and water. If irritation develops get medical attention.

Ingestion: Give the individual 1-2 cups of water or milk and induce vomiting. Seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

Note* Always seek professional medical attention after first aid measures are provided

Section 5: Fire Fighting Measures

Unusual fire and Explosion hazard: No Hazard ** (Grain size less than 53 microns).

Extinguishing Media: Do Not Use carbon dioxide, foam, water or halogenated extinguishing agents. Use class 'D' extinguisher or smother with dry sand, dry clay, dry ground limestone or dry graphite.

Protective equipment and precautions for firefighters: Firefighters should wear full firefighting gear and respiratory protection (SCBA).

Section 6: Handling & Storage

Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling. Avoid dust formation.

Storage: Keep container closed. Keep away from sparks and open flame. Store in General Storage Area [Green Storage with other items with no specific storage hazards. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

Section 7: Accidental Release Measures

Wear respirators when cleaning spilled material. Provide adequate ventilation. Collect spilled material in a manner that minimized dust generation (Vacuum cleaner may be used). Recycle or dispose of waste.

Section 8: Exposure Controls / Personal Protection

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. If ventilation is inadequate use approved respirators.

Section 9: Physical & Chemical Properties

Molecular Formula	Fe	Appearance	Grey-black granular powder
Molecular Weight	55.85	Odor	No odor
Specific Gravity	7.86 g/mL @ 20°C(68F)	Solubility	Insoluble in water, Soluble in sulfuric or muriatic acid
Vapor Density (air = 1)	N/A	Evaporation Rate	N/A (Butyl acetate = 1)
Melting Point	1535°C (2795 F)	Partition Coefficient	N/A
Boiling Point/Range	3000°C	pH	N/A
Vapor Pressure (20°C)	N/A.	LEL	N/A
Flash Point	700°C (1291 F)	UEL	N/A
Auto ignition Temp	Above 700°C (1291 F)		

Section 10: Stability & Reactivity

Stability: Stable to ignition temperature of 700°C (1291 F).

Incompatibility: Low Reactivity with acids.

Hazardous Polymerization: Will not occur.

Shelf Life: Indefinite if stored properly.

Section 11: Toxicology Information

Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects. No Industrial risk.

Section 12: Ecological Information

Ecotoxicity (aquatic and terrestrial): Ecological impact has not been determined.

Section 13: Disposal Considerations

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

Section 14: Transport Information

Not regulated. Can be safely carried in any public transport / Courier / Air /sea.

UN Number: Not Regulated.

ADR/RID: Not Regulated.

IMO/IMDG: Not Regulated.

ICA/IATA: Not Regulated.

Section 15: Regulatory Information

Label: UN classification -

Risks: Risk Phrase -

Safety: Safety Phrase –

Section 16: Other Information

- Prepared By: Manish Agarwal
- Date: September 1, 2023
- Reason For Issue: Updated Format

The information contained herein is based on the present state of our knowledge.

It is believed to be reliable but no representation, guarantee of any kind are made.

The information in this MSDS relates to this specific product. It may not be valid for this product if used combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness information for his own particular use.