

GHS Safety Data Sheet

SDS No. : FEE01TAEG

Date Issued: 2014/10/21

Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: Fe Iron

Product number:	Purity	Form	Size (mm)	Product number:	Purity	Form	Size (mm)
FEE12GB	95%	grains	Shot 2~3	FEE06CB	99.9%(3N)	chips	5 x 5 x t1.2
FEE09GB	95%	grains	Shot 0.5~1	FEE07CB	99.9%(3N)	chips	10 x 10 x t1.2
FEE14GB	99.9%(3N)up	grains	70	FEE04CB	99.99%(4N)	chips	5 x 5 x t1
FEE07GB	<99.99%(4NG)	grains	5~15	FEE05CB	99.99%(4N)	chips	10 x 10 x t1
FEE13GB	99.9%(3N)up	grains	ca. 0.1~1.7	FEE05SB	99.9%(3N)	sheet	100 x 100 x t1.2
FEE02WB	99%(2N)	wire	φ 1	FEE02SB	99.9%(3N)	sheet	100 x 100 x t2
FEE01RB	99.9%(3N)	rod/ tablets	φ 10 x t5	FEE03SB	99.9%(3N)	sheet	100 x 100 x t3
FEE02RB	99.9%(3N)	rod/ tablets	φ 20 x t5	FEE04SB	99.99%(4N)	sheet	100 x 100 x t1

Product number:	Purity	Form	Size (mm)
—	3N,others	grains, wire, rod/ tablets, chips, sheet, target	Various shapes and sizes

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd
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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
No data available	No data available	Flammable solids : Not classified

GHS Label:

Pictograms or symbols No data available

Warning word: Not applicable

Hazard information	Description of precaution
Not applicable	Wear protective gloves/protective clothing/eye protection/respiratory protection/face protection during handling. Avoid release to the environment and collect spillage. Protect from sunlight. Store in a cool, dry and well-ventilated place. Keep container tightly closed.

Additional hazard information : With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name:	Iron
Chemical formula:	Fe
Single Substance or Compound:	Single substance
Composition:	100%
CAS#:	7439-89-6
RTECS#:	NO4565500
TSCA inventory:	listed
EINECS:	2310964

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	This product cannot catch fire. Use media appropriate for surrounding fire.
Fire fighting:	Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire. The product is nonflammable.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its dust/ fume.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling: Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.

Precautions to be taken in storage:

General precautions: Store in a cool, dry place away from incompatible materials.
Keep container or bottle tightly closed.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH (2013): No data available
OSHA (2006): No data available

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, protective gloves.

Section 9. Physical and chemical properties

Color and Form: Gray metal, powder

Chemical formula: Fe

Atomic weight: 55.85

Melting point: 1535 °C

Boiling point: 2750 °C

Density: 7.874 g/cm³

Solubility
Water: Insoluble
Dissoluble: Dilute acid

Flammable: non-flammable substance

Oxidation: None

Section 10. Stability and reactivity

Stability: Stable in closed container at room temperature.

Reactivity

Incompatibility: Acids, strong oxidizing agent, halogens, phosphorous, sulfur.

Condition to avoid: Air, moisture.

Section 11. Toxicological information

Acute toxicity: GHS ; No data available

Skin corrosive / irritation: GHS ; No data available

Serious eyes damage / eye irritation: GHS ; No data available

Respiratory sensitization: GHS ; No data available

Skin sensitization: GHS ; No data available

Germ cell mutagenicity: GHS ; No data available

Carcinogenicity: GHS ; No data available

Reproductive toxicity:	GHS ; No data available
Specific target organ toxicity —single exposure:	GHS ; No data available
Specific target organ toxicity —repeated exposure:	GHS ; No data available
Aspiration hazard:	GHS ; No data available

Section 12. Ecological information

Ecotoxicity:	
Hazards to the aquatic environment —acute toxicity:	GHS ; No data available
Hazards to the aquatic environment —chronic toxicity:	GHS ; No data available
Hazardous the ozone layer:	No data available No Freon or Halon
Fish toxicity:	No data available
Degradability:	No data available
Bioaccumulative potential:	Fe biological half-life 800 day, Rate of absorption oral=0.1, Respiratory tract=0.3
Mobility in soil:	No data available

Section 13. Disposal considerations

Disposal method:	User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.
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Section 14. Transport information

UN classification:	Non-hazards
UN number:	None
HS code:	7206.90
Marine pollution:	None
Precautions:	Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory : listed.
Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.