



Far East Machinery Co., Ltd

Safety Data Sheet (SDS)

1. Identification

Product identifier	Electric Resistance Welded Steel Pipe	
Other means of identification	Steel Pipe	
Intended Use	Oil and gas transmission application	
Supplier's details	Supplier's name	Far East Machinery Co.,Ltd
	Address	No.752 Chung Hsiao Rd, Chiayi 60080, Taiwan, R.O.C.
	Phone number	+886-5-2766171
Emergency phone number	+886-5-2766171	

2. Hazard(s) identification

Classification of the substance/mixture	None(no physical hazards, health hazards and Environmental hazards)	
GHS label elements, including precautionary statements	Symbol	None
	Signal word	None
	Hazards statement	None
	Precautionary statement	None
Other hazards which do not result in classification	None	

3. Composition / Information on ingredients

Chemical identity of substance	Base metal: Iron(Fe)>96%, Carbon(c) <1.00%, Manganese (Mn) <1.65%
Common name(s), Synonym(s) of substance	Base metal: Steel
CAS and number and other unique identifier for the substance	Base metal: AS No. 7439-89-6
Impurities and stabilizing additives	None

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4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure.	Inhalation	Not available. The product can be not inhaled and caused health hazards such as respiratory sensitization and aspiration toxicity.
	Skin contact	Not available. The product can be not caused health hazards such as skin corrosion / irritation and skin sensitization.
	Eye contact	Not available. The product can be not caused health hazards such as serous eye damage/eye irritation.
	Ingestion	Not available. The product can be not caused health hazards such as acute toxicity.
Most important symptoms/effects, acute and delayed	Not available. The product can be not caused above-mentioned health hazards.	
Indication of immediate medical attention and special treatment needed, if necessary	Not available. The product can be not caused above-mentioned health hazards.	

5. Firefighting measures

Suitable extinguishing media	The fire can't be caused by the product. Any extinguishing media for the fire arising in the vicinity can't cause physical hazards such as explosives.
Specific hazards arising from the chemical	The fire and combustion can't be caused by the product. The product can't cause specific hazards arising from the chemical such as acute toxic.
Special protective actions for fire-fighters	The fire can't be caused by the product. The product can't cause physical hazards such as explosives, flammable, self-reactive and self-heating etc.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	It's not available to the product in the solid for accidental release. The product can't cause health hazards such as acute toxicity, skin corrosion / irritation, serous eye damage/eye irritation, respiratory or skin sensitization and aspiration toxicity etc.
Environmental precautions	It's not available to the product in the solid for accidental release. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Methods and materials for containment and cleaning up	It's not available to the product in the solid for accidental release. The product can't cause containment and hazardous to the aquatic environment such as acute aquatic toxicity and chronic aquatic toxicity.

7. Handling and storage

Precautions for safe handling	The product can't cause physical hazards, health hazards and environmental hazards such as explosives, flammable, acute toxicity, skin irritation and hazardous to the aquatic environment etc.
Conditions for safe storage, including any incompatibilities	The product can't cause physical hazards and such as explosives, flammable, self-reactive and self-heating etc.

8. Exposure controls / personal protection

Control parameters	The product can't cause health hazards such as acute toxicity, respiratory and aspiration toxicity. It's not available for exposure limits and biological limits.
Appropriate engineering control	The product can't cause health hazards such as acute toxicity, respiratory and aspiration toxicity. Special engineering controls aren't necessary.
Individual protection measures, such as personal protective equipment (PPE)	The product can't cause physical hazards and health hazards such as explosives, flammable acute toxicity, respiratory, aspiration toxicity, skin corrosion / irritation and skin sensitization etc. It's not available for respiratory protection, eye protection, skin protection and thermal hazard protective equipment.

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9. Physical and chemical properties

Appearance	Physical states	Solid.
	Color	Silver to gray, becomes reddish brown with oxidation
Odor		Odorless
Odor threshold		Not available
PH		Not available
Melting Point		Approx.1535°C
Initial boiling point and boiling range		Approx.3000°C (1 Atm.)
Flash point		Not available
Evaporation rate		Not available
Flammability (solid, gas)		Not available
Upper/lower flammability or explosive limits		Not available
Vapor pressure		Not available
Vapor density		Not available
Relative density		7.5 ~ 8.0
Solubility (ies)		Not available
Partition coefficient		Not available
Auto-ignition temperature		Not available
Decomposition temperature		Not available
Viscosity		Not available

10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal temperatures and pressure.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions to avoid	Stable under conditions such as heat, pressure etc.
Incompatible materials	Product is stable and can't cause hazardous situation such as explosion, release of toxic and flammable material.
Hazardous decomposition Products	Product is stable and can't cause hazardous decomposition products.

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11. Toxicological information

Item	Information
Acute toxicity	Not available. The product can't cause acute toxicity health hazards.
Skin corrosion/irritation	Not available. The product can't cause skin corrosion/irritation health hazards.
Serious eye damage/irritation	Not available. The product can't cause serious eye damage/irritation health hazards.
Respiratory or skin sensitization	Not available. The product can't cause respiratory or skin sensitization health hazards.
Germ cell mutagenicity	Not available. The product can't cause germ cell mutagenicity health hazards.
Carcinogenicity	Not available. The product can't cause carcinogenicity health hazards.
Reproductive toxicity	Not available. The product can't cause reproductive toxicity health hazards.
STOT-single exposure	Not available. The product can't cause STOT-single exposure health hazards.
STOT-repeated exposure	Not available. The product can't cause STOT-repeated exposure health hazards.
Aspiration hazard	Not available. The product can't cause aspiration hazard health hazards.
Information on the likely routes of exposure	Not available. The product can't cause toxicological health hazards.
Symptoms related to the physical, chemical and toxicological characteristics	Not available. The product can't cause toxicological health hazards.
Delayed and immediate effects and also chronic effect form short and long term exposure	Not available. The product can't cause toxicological health hazards.
Numerical measures of toxicity (such as acute toxicity estimates)	Not available. The product can't cause toxicological health hazards.
Interactive effects	Not available. The product can't cause toxicological health hazards.
Where specific chemical data are not available	Not available. The product can't cause toxicological health hazards.
Mixture	Not available.
Mixture versus ingredient information	Not available. The product can't cause toxicological health hazards.
Other information	None

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12. Ecological information

Evaluate the environment impact	Not available. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Ecotoxicological properties	Not available. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Toxicity	Not available. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic and terrestrial environment (acute aquatic toxicity and chronic aquatic toxicity).
Persistence and degradability	Not available. The product can't cause environmental hazards such as hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Bioaccumulation potential	Not available. The product can't cause environmental hazards such as hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Mobility in soil	Not available. The product can't cause environmental hazards such as hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity) and terrestrial environment.
Other adverse effects	None

13. Disposal considerations

Specify disposal containers and methods	Not available. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Discuss physical/ chemical properties that affect disposal option	Not available. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).
Discourage sewage disposal	Not available. The product can't cause environmental hazards such as hazardous to the ozone layer and hazardous to the aquatic and terrestrial environment (acute aquatic toxicity and chronic aquatic toxicity).
Where appropriate, identify any special precautions for incineration or landfill	Not available. The product can't cause environmental hazards such as hazardous to the aquatic environment (acute aquatic toxicity and chronic aquatic toxicity).

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14. Transport information

UN Number	Not available
UN proper shipping name	Not available
Transport hazard class(es)	Not available
Packing group, if applicable	Not available
Environmental hazards	Not available
Special precautions for user	Not available

15. Regulatory information

National Regulatory	Not available. The product can't cause physical hazards, health hazards and environmental hazards such as explosives, flammable, acute toxicity, skin irritation and hazardous to the aquatic environment etc.
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16. Other information

Established Department	Name: QA Section
	Address/Telephone: No.752 Chung Hsiao Rd, Chiayi 60080, Taiwan, R.O.C. Tel: +886-5-2766171
Remarks	This material safety data sheet is furnished without warranty, expresses, or implied, except that it is accurate to the best knowledge of the health and safety hazard information for the product and how to safely handle and use the product in the workplace. The data on this sheet relates only to the specific materials designated herein. FAR EAST MACHINERY Corporation assumes no legal responsibility for use or reliance upon this data.