

Material Safety Data Sheet (MSDS)

1. Chemical Product and Company Identification

Company Name: FU CHANG LOCKS MFG. CORP.	Date: April.18.2013
Address: No.49, DONGFENG ST., SHULIN DIST., NEW TAIPEI CITY 238, TAIWAN	Phone No.: 886-2-86853366
Product Name: PANIC / FIRE EXIT DEVICE	

2. Composition / Information on Ingredients

This MSDS covers the series of products consisting of the following components:
Concentrations for ingredients are expressed as % by weight.

Important Ingredients	CAS NO.	Weight (%)	Exposure Limits	
			OSHA PEL	ACGIH TLV
Base metal: Iron (Fe)	7439-89-6	>96	Not Established	Not Established
Alloying elements: Carbon (C) Manganese (Mn) Others		<0.20 <0.65 <0.15		
Surface Treatments: The surface of this product may contain low levels of various combinations of the following chemicals, resulting from the use of various types of anti-corrosion treatments.				
Mineral Oil	-----	200~1500 g/m ²	Not Established	Not Established
Synthetic Ester	-----	<200 g/m ²	Not Established	Not Established

3. Hazards Identification

Steel products in the solid state present no fire or explosion hazard.
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4. First Aid Measures

Eye	It is unlikely that this product will enter the eye(s) in the as supplied form. If steel splinters enter the eye, obtain medical attention immediately.
Skin	It is unlikely that this product will cause irritation to the skin in the as supplied form.
Inhaled	It is unlikely that the product can be inhaled in the as supplied form.
First Aid Facilities	Hand washing facilities.
Toxicity Data	No toxicity data is available in the literature for this product as supplied.

5. Fire Fighting Measures

Extinguishing Media	Use any standard agent for surrounding fire but flooding amounts of water is recommended if the metallic ribbon starts to burn
Unusual Fire and Explosion Hazards	Product may burn if involved in a structured fire.
Special Fire Fighting Precautions / Instructions	Toxic and irritating vapors may be released if the product melts or burns in a fire. Use self-contained respiratory protection.

6. Accidental Release Measures

Not applicable to steel in the solid state.

7. Handling and Storage

Normal Handling	Wear Personal Protective Equipment at all time to handle this sharp edge of thin sheets. All employees should be trained to handle this product safely.
Storage Recommendations	Store in a facility will prevent products from physical damage, moisture, and direct sunlight.

8.Exposure Controls / Personal Protection

Respiratory Protection	NIOSH/MSHA approved dust and fume respirator should be used if OSHA PEL is exceeded.
Hands 、 Arms 、 Body 、 Eyes 、 Face Protection	Use appropriate protective clothing/face shield when welding,burning,cutting or grinding.

9..Physical and Chemical Properties

Physical States	Solid
Color	US26D 、 US32D 、 US10B
Odor	Odorless
Boiling Point	@1atm Appros.3000°C
Melting Point	Approx.1535°C
Specific Gravity	7.5~8.0

10.Stability and Reactivity

Stability	Stable under normal temperatures and pressure.
Reactivity	Stable under normal conditions.
Incompatibilities	Product can be attacked by moisture and corrosive materials
Hazardous Decomposition Products	Toxic vapors and metallic fumes may be releases if ignited or melted in a fire.

11.Toxicological Information

General	No relevant toxicological data found at time of research.
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12.Ecological Information

Environmental Effects	No ecological concern identified.
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13.Disposal Considerations

Waste Disposal	Dispose of waste in accordance with OSHA 、 EPA 、 State 、 Local or Country regulations.
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14. Transport Information

General	No special transportation classifications.
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15. Regulatory Information

OSHA Status	This Product may contain compounds whose exposures are regulated under the Department of Labor Occupational Health and Safety Administration's code of federal regulations concerning general industry activities and construction activities.
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16. Other Information

Established department	Name: FU CHANG LOCKS MFG. CORP.		
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Creation Person	Title	Name(Signature)	Date
	President	Fu Chang Peng	April.18.2013
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 safety handle and use the product in the workplace. The data on this sheet relates only to the specific materials designated herein. FU CHANG LOCKS MFG. CORP. assumes no legal responsibility for use or reliance upon this data.		