

管理番号：SDS-CSC-002

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東洋鋼鉄株式会社

## 安全データシート(Safety Data Sheet)

〈材料製造会社：CHINA STEEL CORPORATION〉

### 1. 製品及び会社情報

- ・ 製品の名称：COOL ROOL CARBON STEEL
- ・ 会社名：東洋鋼鉄株式会社
- ・ 住所：浦安市港 72 番地
- ・ 担当部門：技術管理室
- ・ 連絡先：技術管理室 横屋      電話：047-354-5891(代)  
FAX：047-354-5894

「2.」以降の項目については、次ページ以降を参照下さい。

## Safety Data Sheet (SDS)

### 1. Chemical Product and Company Identification

Company Name CHINA STEEL CORPORATION	Date JAN.13.2016
Address 1 Chung Kang Rd. Hsiao Kang, Kaohsiung 812, TAIWAN	Phone No. 886-7-802-1111
Product Name Cold Rolled Steel Coils & Sheets	

### 2. HAZARDS IDENTIFICATION

Steel products in the solid state present no fire or explosion hazard.

### 3. Composition/Information on Ingredients

This SDS 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	7440-44-0 7439-96-5	< 1.50 < 1.50 < 1.00	Not Established	Not Established
<b>Surface Treatments:</b> 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 <sup>2</sup>	Not Established	Not Established
Synthetic Ester	--	<200 g/m <sup>2</sup>	Not Established	Not Established

### 4. FIRST AID MEASURES

<b>Eye:</b> 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.
<b>Skin:</b> It is unlikely that this product will cause irritation to the skin in the as supplied form.
<b>Inhaled:</b> It is unlikely that the product can be inhaled in the as supplied form.
<b>First Aid Facilities:</b> Hand washing facilities
<b>Toxicity Data:</b> 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.
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## 7. HANDLING AND STORAGE

Normal Handling: Wear Personal Protective Equipment at all time to handle this sharp edge of thin sheets or coils. 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	Silver to gray , becomes reddish brown with oxidation
Odor	Odorless
Boiling Point	@1atm Approx.3000°C
Melting Point	Approx.1535°C
Specific Gravity	7.5~8.0
Melting/Freezing Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Distribution Coefficient	N/A

## 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
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### 11.TOXICOLOGICAL INFORMATION

No relevant toxicological data found at time of research.

### 12.ECOLOGICAL INFORMATION

No ecological concern identified.

### 13.DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with OSHA, EPA, state, local or country regulations.

### 14.TRANSPORT INFORMATION

No special transportation classifications.

### 15.REGULATORY INFORMATION

<b>OSHA STATUS</b>	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: Industrial, Safety, Hygiene, & Environmental Protection Dept.		
	Address/Telephone: Y9, 1 Chung Kang Rd. Hsiao Kang, Kaohsiung, Taiwan		
Creation Person	Title: Engineer	Name(Signature)	Date
		Yen-Ju Chao	2016.01.13
Remarks	<p>This 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.</p> <p>The data on this sheet relates only to the specific materials designated herein.</p> <p>China Steel Corporation assumes no legal responsibility for use or reliance upon this data.</p>		