



## SAFETY DATA SHEET

### 1. Chemical Product And Company Identification

Product Name	: Pre-Painted Steel - realcolor®
CAS No	: Mixture
Manufacturer	: CSC Steel Sdn. Bhd.
Address	: 180, Kawasan Industri Ayeh Keroh, Ayeh Keroh, 75450 Melaka, Malaysia.
Revision Date	: 02-November-2016
Emergency contact	: 06-2310169

### 2. Composition / Information on Ingredients

Base Steel	%	CAS No.	Coated Proportion (w/w)
Iron	Balance	7439-89-6	85 ~ 99 %
Carbon	0.30 Max.	7440-44-0	
Manganese	2.50 Max.	7439-96-5	
Phosphorus	0.20 Max.	7723-14-0	
Sulfur	0.05 Max.	7704-34-9	
Silicon	0.04 Max.	7440-21-3	

Coating Layer	%	CAS No.	Coated Proportion (w/w)
Zinc	Balance	7440-66-6	1 ~ 15 %
Aluminium	0.80 Max.	7429-90-5	
Iron	0.20 Max.	7439-89-6	
Antimony	0.10 Max.	7440-36-0	

Film Coating Layer	%	CAS No.	Coated Proportion (w/w)
Paint Film: Polyester Super-durable Polyester Polyurethane Epoxy Polyvinylidene Flouride	Balance	Mixture	0.1 ~ 5.0 %
Lead Chromate	1.0 Max.	7758-97-6	
Pretreatment Layer: Chromium (VI) Trioxide Silica	1.0 Max.	1333-82-0 112945-52-5	



**中鋼馬來西亞有限公司**  
**CSC STEEL SDN. BHD.** (228899-P)  
(Formerly known as Ornasteel Ent. Corp. (M) Sdn. Bhd.)  
180, Kawasan Industri Ayer Keroh, Ayer Keroh, 75450 Melaka, Malaysia.  
Tel : 06-2310169 Fax : 06-2310167

### 3. Physical and Chemical Properties

Appearance	: Surface finish depends on color and gloss level of paint film required
Physical state	: Solid
Odor	: None
pH	: N/A
Viscosity	: N/A
Water solubility	: Insoluble
Other solubility	: N/A
Boiling point/ range	: N/A
Evaporation rate	: N/A
Flammable limit	: N/A
Explosion limit	: N/A

### 4. Hazards Identification

Hazard symbol: None
Acute Effect:
<ul style="list-style-type: none"><li>• Swallowed: Not expected to be swallowed in the form supplied.</li><li>• Eye: Excessive exposure to high concentrations of dust may cause irritation to the eyes. Particles of iron or iron compounds, which become embedded in the eyes, may cause rust stains unless removed fairly promptly.</li><li>• Skin: Skin contact with dusts may cause irritation or sensitization. Prolonged contact with chemical surface treatments or oil residue may cause skin irritation, dermatitis or allergic reactions in sensitized individuals. Safety precautions (e.g. wear hand gloves) shall be taken to protect against sharp edges.</li><li>• Inhaled: Not expected to be inhaled in the form supplied. Welding or cutting operations may generate iron oxide fume.</li><li>• Chronic effects: No reports of effects from prolonged or repeated exposure to the product as supplied. Prolonged or repeated contact with the chemical surface treatment or oil residue used for corrosion protection may irritate the skin in sensitive individuals.</li></ul>

### 5. First Aid Measures

<ul style="list-style-type: none"><li>• Swallowed: It is unlikely this product can be swallowed in the form of supplied.</li><li>• Eye: Flush with large amounts of clean water to remove particles. Seek medical attention if irritation persists.</li><li>• Skin: Remove contaminated clothing. Wash affected areas with soap or mild detergent and water. If thermal burn has occurred, flush area with cold water and seek medical attention. If mechanical abrasion occurred, seek medical attention. If the skin is cut during handling, seek medical treatment.</li><li>• Inhaled: It is unlikely the product can be inhaled in the supplied form. For over-exposure to airborne fumes, remove exposed person to fresh air. If breathing is difficult or has stopped, administer artificial respiration or oxygen is indicated. Seek medical attention promptly</li></ul>
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### 6. Fire Fighting Measures

Not flammable in its solid state.
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**7. Accidental Release Measures**

Not applicable to steel in its solid state.

**8. Handling and Storage**

Handling the steel with care, and store the steel in a shaded warehouse.

**9. Exposure control/Personal Protection**

Hand protection: Protective gloves shall be worn in material handling, welding and burning process.

**10. Danger information**

Stability: Stable under normal condition of use, storage and transport.

**11. Disposal Consideration**

Steel scraps shall be recycled whenever possible.

**12. Transport Information**

Not a flammable or hazardous material.

**13. Regulatory Information**

Disposed of in accordance with local, state, federal regulations.

**14. Other Information**

This information is the best of our current knowledge and to describe our product in term of health and safety and environmental requirement. As the conditions of handling, use, and disposal of this product are beyond manufacturer control, the recommendation or suggestion are made without guaranteed.