



# 中鋼馬來西亞有限公司

**CSC STEEL SDN. BHD. (228899-P)**

180, Kawasan Industri Ayer Keroh, Ayer Keroh, 75450 Melaka, Malaysia.

Tel : (06) 2310169 (Hunting) Fax : (06) 2315806, 2310167

## 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	: 12-April-2019
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	



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### 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 not likely 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 not likely 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. Toxicological Information

No information on toxicological effects available.

- Eye: It is not likely that the product can enter the eyes in supplied form. However, contact with individual dust components when further processed (welding, grinding, burning, etc.) may cause irritation to the eyes.
- Skin: It is not likely that the product can cause irritation in supplied form. However, contact with individual dust components when further processed (welding, grinding, burning, etc.) may cause an irritation and sensitizer to the skin.
- Inhalation: It is not likely that the product can be inhaled in supplied form. However, contact with individual dust components when further processed (welding, grinding, burning, etc.) may cause an irritation to the throat.
- Carcinogenicity: Not foreseen to be carcinogenicity hazard.
- Toxic Reproduction: Not foreseen to be toxic to reproduction.
- Specific Target Organ Toxicity (STOT) Following Single Exposure: Not foreseen to be toxicity to specific target organ.
- Specific Target Organ Toxicity (STOT) following Repeated Exposure: Not foreseen to be toxicity to specific target organ.

## 12. Ecological Information

- Ecotoxicity: No data available. However, individual components of the product have been found to be toxic to the environment. Metal dusts may migrate into soil and groundwater and be ingested by wildlife.
- Degradability: No data available.
- Bioaccumulative Potential: No data available.
- Mobility: No data available. However, individual components have been found to be absorbed by plants from soil.
- Other Adverse Effects: No data available.

## 13. Disposal Consideration

Steel scraps shall be recycled whenever possible.

## 14. Transport Information

Not a flammable or hazardous material.

## 15. Regulatory Information

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



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## 16. 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.