



## **Material Safety Data Sheet**

PRODUCT: Zinc Wire 99.99%

RECORD NO: xxxxx

EFFECTIVE DATE: xxxx

TOTAL PAGES: 3 PAGES

### **SECTION 1 SUBSTANCE & MANUFACTURER INFORMATION**

Substance Name : Zinc Wire  
Corporation Name : Ash Marine PTE LTD  
Contact Information : No 6, Jurong Pier Road, Singapore 619158.  
Contact: +65 67766073.

### **SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

No	CHEMICAL SUBSTANCES	CAS NO.	EINECS	%
1	Zinc (Zn)	7440-66-66	231-175-3	99.995

### **SECTION 3 HAZARDS IDENTIFICATION**

<b>Handling</b>	This product is harmless to the human body and has no fire and explosion hazard in its original form. But when it's melted, corresponding preventive measures should be taken to avoid direct exposure.
<b>Environmental Management</b>	Six kinds of environmental management substances Pb, Cd, Hg, Cr6+, PBB, PBDE conforms up to the standards.
<b>SVHC Substances</b>	This product does not contain any substances that are listed in the SVHC, therefore it doesn't bring any harm to human health and the environment.

**SECTION 4****FIRST AID MEASURES**

<b>First Aid - Inhalation</b>	Move to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. SEEK MEDICAL ATTENTION
<b>First Aid - Burns</b>	In case of minor burns, flush with plenty of cold water. If the burn is severe, SEEK MEDICAL ATTENTION
<b>First Aid - Eyes</b>	In the case of irritation, rinse eyes thoroughly with water or saline for at least 15 minutes, taking care to rinse under the eyelid. If irritation persists, SEEK MEDICAL ATTENTION
<b>First Aid - Ingestion</b>	If product is ingested do not give fluids or induce vomiting to victims. SEEK MEDICAL ATTENTION

**SECTION 5****FIRE FIGHTING MEASURES**

<b>Hazardous Combustion</b>	The product doesn't have any combustible hazards in its original form. Once the product is molten, be sure to clear all flammable items or fuel sources away from the work area.
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**SECTION 6****ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Wear appropriate protective clothing.
<b>Environmental Precautions</b>	Avoid molten metal from entering drains or watercourses.
<b>Spillages</b>	The product is solid and will not leak.

**SECTION 7****HANDLING AND STORAGE**

<b>Handling</b>	Product should be kept dry. Avoid working with sharp edges or hot metals. To advise workers to wear appropriate PPE & Hand Protection when handling products.
<b>Storage</b>	The product is solid and will not leak.

**SECTION 8****EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personnel who handle and work with molten metal should utilize primary protective clothing like face shields, fire resistant tapper's jackets, leggings, spats, and similar equipment to prevent burn injuries. In addition to primary protection, secondary or day-to-day work clothing that is fire resistant and sheds metal splash is recommended for use with molten metal. Conditions where the ambient air concentrations exceed the permissible exposure limit, it is important to incorporate the use of ventilation systems and the use of approved respirators designed for the hazard. The use of both primary & secondary PPE is necessary when handling with molten metal.

**SECTION 9****STABILITY & REACTIVITY**

<b>Stability</b>	Zinc in its original form is stable and it is not reactive in normal conditions during usage, storage, and transportation
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<b>Conditions and Material to Avoid</b>	Molten Zinc may explode when it's mixed with acids and solvents
<b>Reactivity</b>	This product may generate hydrogen gas if it comes in contact with strong acids.

<b>SECTION 10</b>	<b>TOXICOLOGICAL INFORMATION</b>
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Toxicity	: No
Local effect	: No
Sensibility	: No
Slow or long toxicity	: No

<b>SECTION 11</b>	<b>PHYSICAL &amp; REACTIVITY</b>
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<b>Physical State</b>	Wire
<b>Colour</b>	Silver white, light shaped wire.
<b>Odour</b>	Special Odour.
<b>Melting Point (°C)</b>	419.5 °C
<b>Boiling point/Boiling range</b>	906.0 °C
<b>Density, ρ</b>	7.14 g/cm <sup>3</sup>

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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This product doesn't react adversely in regards to ecological impact.

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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Consider recycling. Zinc in the form of particles may be reactive and its hazardous characteristics should be determined prior to disposal. Dispose waste in accordance with federal, state, or local regulations.

<b>SECTION 14</b>	<b>TRANSPORTATION INFORMATION</b>
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This product does not present fire or explosion hazards as transported.

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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Zinc is not classified as dangerous substance according to the notification, classification and labelling of the EU.

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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Prepared by Ash Marine PTE LTD, No 6, Jurong Pier Road, Singapore, 619158.  
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