



Material Safety Data Sheet

PRODUCT: Zinc Aluminium Wire 85/15

RECORD NO: xxxxx

EFFECTIVE DATE: xxxx

TOTAL PAGES: 3 PAGES

SECTION 1 SUBSTANCE & MANUFACTURER INFORMATION

Substance Name : Zinc Aluminium 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	84-86
2	Aluminium (Al)	7429-90-5	231-072-3	14-16

SECTION 3 HAZARD IDENTIFICATION

Handling	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.
Environmental Management	Six kinds of environmental management substances Pb, Cd, Hg, Cr6+, PBB, PBDE conforms up to the standards.
SVHC Substances	This product does not contain any substances that are listed in the SVHC, therefore it doesn't bring any harm to the human health and the environment.

SECTION 4**FIRST AID MEASURES**

First Aid - Inhalation	Move to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. SEEK MEDICAL ATTENTION
First Aid - Burns	In case of minor burns, flush with plenty of cold water. If the burn is severe, SEEK MEDICAL ATTENTION
First Aid - Eyes	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
First Aid - Ingestion	If product is ingested do not give fluids or induce vomiting to victims. SEEK MEDICAL ATTENTION

SECTION 5**FIRE FIGHTING MEASURES**

Hazardous Combustion	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**

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

SECTION 7**HANDLING AND STORAGE**

Handling	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.
Storage	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**

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

SECTION 10

TOXICOLOGICAL INFORMATION

Toxicity	: No
Local effect	: No
Sensibility	: No
Slow or long toxicity	: No

SECTION 11

PHYSICAL & REACTIVITY

Physical State	Wire
Colour	Silver white, light shaped wire.
Odour	Special Odour.
Melting Point (°C)	382 ~ 455 °C
Boiling point/Boiling range	906.0 °C
Density, ρ	5.8 g/cm ³

SECTION 12

ECOLOGICAL INFORMATION

This product doesn't react adversely in regards to ecological impact.

SECTION 13

DISPOSAL CONSIDERATIONS

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.

SECTION 14

TRANSPORTATION INFORMATION

This product does not present fire or explosion hazards as transported.

SECTION 15

REGULATORY INFORMATION

Zinc is not classified as dangerous substance according to the notification, classification and labelling of the EU.

SECTION 16

OTHER INFORMATION

Prepared by Ash Marine PTE LTD, No 6, Jurong Pier Road, Singapore, 619158.
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