



# ZINCO COFANI

Società a responsabilità limitata VAT no. 00227730181  
Via 4 Novembre, 18 27036 Mortara PV, Italy  
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## SAFETY DATA SHEET

Released: November 2012

Product name: **ZINC WIRE**

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Zinc Wire  
Application: Spray arc or flame metallisation of steel items

Company: **ZINCO COFANI S.r.l.**  
Address: **Via 4 Novembre, 18 – 27036 Mortara PV, Italy, tel. +39 0384 - 98333/- 293364**  
Emergency phone number: **+39 333 1354762**

### 2. COMPOSITION AND INFORMATIONS ON INGREDIENTS

Common name: Zinc Anode, according to EN 1179:2003

Hazardous components: none

Chemical name	CAS number	%	Hazard labelling	R-phrases	S-phrases
<b>Zinc</b>	<b>7440-66-6</b>	<b>100</b>	<b>none</b>	<b>none</b>	<b>none</b>

### 3. HAZARD IDENTIFICATION

Hazard: The product is not a hazardous substance.

Specific hazards: By contact with acids or alkaloids a chemical reaction occurs, by which the hydrogen gas arises. By warming up over 650 °C, ZnO gas exhales.

Main symptoms: Exposure to ZnO gas may cause coughing, weakness and headache. These troubles will disappear in 1 – 2 days.

### 4. FIRST AID MEASURES

Inhalation: Actions are necessary only after inhalation of ZnO or dust or scald with melted zinc. The injured person must be taken to fresh air and get medical care.

Skin contact: Skin in contact with melted zinc must be washed thoroughly with fresh water and get medical care.

Eyes contact: Eyes in contact with ZnO must be washed thoroughly with fresh water. If irritation persists get medical care.

Ingestion: Get medical care.



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## 5. FIRE-FIGHTING MEASURES

Extinguishing instruments:	Fire as a result of melted zinc must be extinguished with sand or special D-class means. Water and CO <sub>2</sub> are not allowed.
Specific hazards:	Fire from explosion must be extinguished with water.
Protective equipment:	Fireproof clothes, helmet, mask and gloves.

## 6. ACCIDENTAL OUTFLOW MEASURES

Being a solid substance, outflow is impossible.

## 7. HANDLING AND STORAGE PRECAUTIONS

Handling:	None
Storage:	In a dry and ventilated place

## 8. PERSONAL PROTECTION

Technical measures:	Safety clothes, helmet, mask and gloves.
Hygiene measur:	After contact wash the hands. Do not smoke.

## 9. PHYSICAL AND SCHEMICAL PROPERTIES

Form:	Metallic, silver colour
Odor:	Limited
Melting point:	419 °C
Boiling point:	906 °C
Flash point:	N/A
Autoignition:	Near the boiling point
Explosion:	Possible by contact of melted zinc with water
Vapour pressure:	1,33 kPa by 487°C
Density:	7,200 kg/m <sup>3</sup>
Solubility:	Insoluble
Stability:	Stable under recommended storage conditions
Hazardous conditions:	Contact with humidity, alkaloids, copper and iron



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## 11. TOXICOLOGICAL INFORMATIONS

Acute toxicity:	No
Chronic toxicity:	No
Specific effects:	None

## 12. ECOLOGICAL INFORMATIONS

Mutability:	No
Bioaccumulation:	Not expected in biological organisms
Ecotoxicity:	No

## 13. DISPOSAL INFORMATIONS

Zinc is recyclable.

## 14. TRANSPORT INFORMATIONS

Overland (RID,ADR, CFR):	N/A
Riverway(ADNR):	N/A
Seaway (IMDG):	N/A

## 15. REGULATORY INFORMATIONS

Classification:	No
Label indications:	None
Hazard symbols:	None
Warnings:	None

## 16. OTHER INFORMATIONS

Recommended use:	Surface protection
Possible restrictions:	Instructions by the manufacturer