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## SDS REPORT

**BEDRA VIETNAM COMPANY LIMITED**  
**B5,B6 SONG KHE - NOI HOANG INDUSTRIAL ZONE,SONG. KHE VILLAGE,BAC GIANG CITY,**  
**BAC GIANG,PROVINCE,VIETNAM**

**MSDS Report No.** : SDS20181118UB  
**Compilation Date** : Nov 18th, 2018  
**Sample Name** : EDM Wire  
**End Use** : Metal cutting  
**Composition/Ingredient of The Sample** : See Section 3 on the SDS  
**Service Requested** : Safety Data Sheet (SDS) for the sample withsubmitted composition  
  
**Summary** : As per request, the contents and formats of the SDS are prepared in according with US Regulations Relating to Labor 29 CFR 1910.1200(g), and is provided per attached.

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## 1. Identification

**·Product identifier**

**·Trade name:**

EDM WIRE, NON-PARAFFIN BRASS (Brass Premium Cut wire)

**·Recommended use of the chemical and restrictions on use**

**·Application of the substance/ mixture:** Metal cutting

**·Details of the supplier of the safety data sheet**

**·Manufacturer/Supplier:**

**BEDRA VIETNAM COMPANY LIMITED**

B5,B6 SONG KHE - NOI HOANG INDUSTRIAL ZONE,SONG. KHE VILLAGE,BAC GIANG CITY, BAC GIANG,PROVINCE,VIETNAM

Tel: + 84382232962      Email:willy@bedra.hk

**·Further information obtainable from:**

BEDRA VIETNAM COMPANY LIMITED

**·Emergency telephone number**

Willy Gao    Tel: + (852) 3520 0718

## 2. Hazard(s) identification

**·Classification of the substance or mixture:**

The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910. 1200).

**·Information concerning particular hazards for human and environment:**

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

**·Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended by company and literature data.

**·Label elements**

**·Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**·Hazard pictograms:** Not applicable

**·Signal word:** Not applicable

**·Hazard-determining components of the labeling:** Not applicable

**·Hazard statements:** Not applicable

**·Precautionary statement:** Not applicable

**·Hazards not otherwise classified (HNOC):** No further relevant information available.

## 3. Composition/information on ingredients

**·Chemical characterization:** Mixtures

**·Description:**

Mixture of the substances listed below with nonhazardous additions.

<b>·Components:</b>		
CAS No.: 7440-50-8	Copper	60.5 ~65.5%
CAS No.: 7440-66-6	Zinc	34.5 ~39.5%
Remark:  This product is solid, so zinc (CAS No.: 7440-66-6) is not classified according to OSHA.		

#### 4. First aid measures

**·Description of first aid measures**

**After inhalation:** Supply with fresh air. Consult doctor in case of complaints.

**After skin contact:** Wash with water. If skin irritation occurs: Get medical advice/attention.

**After eye contact:** Rinse eyes with water. If eye irritation happens: consult a doctor.

**After swallowing:** Rinse out mouth with water. Call a POISON CENTER or doctor/physician if you feel unwell.

**·Information for doctor**

**·Most important symptoms and effects, both acute and delayed:** No further relevant information available.

**·Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

#### 5. Fire-fighting measures

**·Suitable extinguishing agents:** Use the suitable extinguishing agent surrounding condition.

**·Special hazards arising from the substance or mixture:** No further relevant information available.

**·Special protective equipment and precaution for firefighters**

**Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

#### 6. Accidental release measures

**·Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Use respiratory protective device against the effects of dust.

Take care of the sharp edge and corner.

**·Environmental precautions:**

Do not allow large or undiluted of the product to enter sewers/surface or ground water.

Inform respective authorities in case of seepage into water course or sewages system.

Do not allow to enter sewers/surface or ground water.

**·Methods and material for containment and cleaning up:**

Pick up mechanically.

Ensure adequate ventilation.

Dispose contaminated material as waster according to item 13.

## 7. Handling and storage

### ·Handling

#### ·Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Avoid formation of dust.

Wear protective gloves and clothing.

·**Information about fire and explosion protection:** Normal measures for preventive fire protection.

·**Conditions for safe storage, including any incompatibilities**

·**Requirements to be met by storerooms and receptacles:**

Store in a cool, dry and well-ventilation location.

·**Information about storage in one common storage facility:**

Do not store together with strong acid, strong oxidizing agent and water.

·**Further information about storage conditions:**

Store in a cool, dry and well-ventilation condition.

## 8. Exposure controls/personal protection

### ·Components with limit values that require monitoring at the workplace:

1 CAS No.: 7440-50-8 Copper

OSHA-PEL:

General Industry: 0.1mg/m<sup>3</sup>TWA

Construction Industry: 0.1mg/m<sup>3</sup> TWA

Shipyards Employment: 0.1 mg/m<sup>3</sup> TWA

NIOSH-REL: 0.1 mg/m<sup>3</sup>TWA

ACGIH- TLV: 0.2 mg/m<sup>3</sup>TWA

·**Additional information:** The lists that were valid during the creation were used as basis.

·**Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

·**Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of work.

See section 7 for information about design of technical facilities.

·**Personal protective equipment:**

·**Breathing equipment:** Suitable respiratory protective device recommended.

·**Additional information:** The lists valid during the marking were used as basis.

·**Protection of hands: Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

·**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As composition, the resistance of the glove material can't be calculated in advance and has therefore to be checked prior to the application.

**·Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**·Eye protection: Safety glasse**

## 9. Physical and chemical properties

### ·Information on basic physical and chemical properties

#### Appearance:

<b>Form</b>	<i>Solid</i>
<b>Color</b>	<i>Yellow</i>
<b>Odor</b>	<i>Odorless</i>
<b>Odor threshold</b>	<i>Data not available</i>
<b>·pH-value</b>	<i>Data not available</i>
<b>·Change in condition</b>	
<b>Melting point/melting range</b>	<i>Data not available</i>
<b>Boiling point and boiling range</b>	<i>Data not available</i>
<b>·Freezing point</b>	<i>Data not available</i>
<b>·Flash point:</b>	<i>Data not available</i>
<b>·Flammability (solid, gas)</b>	<i>Data not available</i>
<b>·Decomposition temperature</b>	<i>Data not available</i>
<b>·Self-ignition</b>	<i>Product is not self-ignition.</i>
<b>·Danger of explosion</b>	<i>Product does not present an explosion hazard.</i>
<b>·Explosion limits</b>	
<b>Lower:</b>	<i>Data not available</i>
<b>Upper:</b>	<i>Data not available</i>
<b>·Oxidizing properties</b>	<i>Data not available</i>
<b>·Vapor pressure</b>	<i>Data not available</i>
<b>·Density</b>	<i>Data not available</i>
<b>·Relative density</b>	<i>Data not available</i>
<b>·Vapor density</b>	<i>Data not available</i>
<b>·Evaporation rate</b>	<i>Data not available</i>
<b>·Solubility in/Miscibility with</b>	
<b>Water</b>	<i>Data not available</i>
<b>·Partition coefficient (n-octanol/water)</b>	<i>Data not available</i>
<b>·Viscosity</b>	
<b>Dynamic</b>	<i>Not available</i>
<b>Kinematic</b>	<i>Not available</i>
<b>·Other information</b>	<i>Data not available</i>

### 10. Stability and reactivity

- Reactivity:** No decomposition if used according to specification.
- Chemical stability:** Stable under recommended storage conditions.
- Possibility of hazardous reactions:** No further relevant information available.
- Conditions to avoid:** No further relevant information available.
- Incompatible materials:** Strong acid and strong oxidizing agent.
- Hazardous decomposition products:** No further relevant information available.

### 11. Toxicological information

- Acute toxicity**
- LD/LC50 values that are relevant for classification:** No further relevant information available.
- Primary irritant effect**
- On the skin:** Irritating effect possible.
- On the eye:** Irritating effect possible.
- Sensitization:** Sensitization possible

#### Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

- Carcinogenic categories**
- IARC (International Agency for Research on Cancer):** None of the ingredients is listed.
- NTP (National Toxicology Program):** None of the ingredients is listed.
- OSHA-Ca (Occupational safety & Health Administration):** None of the ingredients is listed.
- OSHA-Ca (Occupational safety & Health Administration):** None of the ingredients is listed.

### 12. Ecological information

- Toxicity**
- Aquatic toxicity:** No further relevant information available.
- Persistence and degradability:** No further relevant information available.
- Bio-accumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

- Additional ecological information**
- Other adverse effects:** No further relevant information available.

### 13. Disposal consideration

- Waste treatment methods**
- Recommendation:** Small quantities can be disposed of together with household garbage.
- Un-cleaned packaging**
- Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

#### 14. Transport information

·UN-Number	
DOT, IMDG, IATA	Not applicable
·UN proper shipping name	
DOT, IMDG, IATA	Not applicable
·Transport hazard class (es)	
DOT, IMDG, IATA	
Class	Not applicable
Label	Not applicable
·Packing group	
DOT, IMDG, IATA	Not applicable
·Environmental hazardous	
Marine pollution	No
·Special precautions for user	Not applicable
·EMS Number	Not applicable
·Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable
· UN "Model Regulation":	-

#### 15. Regulatory information

·Safety, health and environmental regulations/legislation specific for the substance or mixture	
·Sara	
·Section 355 (extremely hazardous substances): None of the ingredients is listed.	
·Section 313 (Specific toxic chemical listings): None of the ingredients is listed.	
·TSCA (Toxic Substances Control Act): All the ingredients are listed.	
·Proposition 65	
·Chemicals known to cause cancer: None of the ingredients is listed.	
·Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.	
·Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.	
·Chemicals known to cause developmental toxicity: None of the ingredients is listed.	
·EPA (Environmental Protection Agency): None of the ingredients is listed.	
·TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.	
·NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.	
·OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.	
·National regulations	
·Water hazard class: Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.	

## 16. Other information

·NFPA ratings (scale 0-4)



Health=0

Fire=0

Reactivity=0

·HMIS ratings(scale 0-4)



Health=0

Fire=0

Reactivity=0

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*The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).*

### **DISCLAIMER OF LIABILITY:**

*The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.*

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·Abbreviations and acronyms:

**DOT:** Department of Transportation

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association

**LD50:** Lethal dose, 50 percent

**LC50:** Lethal concentration, 50 percent

**OSHA:** Occupational Safety & Health Administration

**ACGIH:** American Conference of Governmental Industrial Hygienists

**NIOSH:** National Institute for Occupational Safety and Health

**PEL:** Permissible Exposure Limit

**REL:** Recommended Exposure Limit

**TLV:** Threshold Limit Value

End of SDS