

Safety Data Sheet

1. Product and Company identification

Product Name: EDM Brass Wire (Wire electrodes for EDM)
Series name: GMWT Series
Name of Manufacture / Supplier: MISUMI Corporation
Name of Section: VONA MRO Division
Address: Iidabashi First Bldg.,5-1, Koraku 2-chome,
Bunkyo-ku, Tokyo,112-8583, JAPAN
Phone: +81-3-5805-7068
Fax: +81-3-5805-7340

2. COMPOSITION / INFORMATION ON INGREDIENTS

Single product/mixture : Mixture

Chemical or generic names : Copper / zinc alloy

Ingredients and concentrations

[Ingredient]	[Concentration]	[CAS number]
Copper (Cu)	59.0~63.0%	7440-50-8
Zinc (Zn)	Remnant	7440-66-6

* JIS H3260 C2800 equivalent product

CAS number : As above

Official gazette publication serial no.

【Chemical Substances Control Law】 : N/A

【Industrial Safety and Health Law】 : N/A

3. HAZARDS IDENTIFICATION

No data available

4. FIRST-AID MEASURES

If powder, dust, etc. is generated

- Inhalation : Move the casualty immediately to a location with fresh air. Keep him/her warm and calm and, if necessary, seek medical attention.
- Skin contact : No reaction from contact is anticipated.
However, if heated dust, etc. adheres to the skin and causes light burns, immediately rinse the place affected with plenty of water to cool it. In case of severe burns, seek medical attention without delay.
- Eye contact : Wash immediately for at least 15 minutes with a large volume of clean running water and seek medical attention.
- Ingestion : Rinse the mouth thoroughly and seek medical attention without delay.

5. FIRE-FIGHTING MEASURES

Not applicable: product is non-flammable

6. ACCIDENTAL RELEASE MEASURES

Not applicable: product is a solid

7. HANDLING & STORAGE

Handling

Technical measures : Avoid dropping, dragging or otherwise subjecting to shocks during handling.

Safe handling : Wire offcuts are sharp; wear work gloves, etc. and do not touch with bare hands.

The product is heavy: take care not to drop it.

The product is springy. Take care to avoid lacerations and eye injuries due to springing.

Storage

Technical measures : The area where the product is stored should be level. Avoid storing in sloping or unstable locations as this may lead to products falling or piles collapsing. Avoid storing the product in damp locations as humidity may cause discoloration or rusting.

Storage conditions : Store indoors in a location with stable temperature and humidity that is protected from rain, wind and direct sunlight. Protect from contact with acids, alkalis, strong oxidants, chloride salts, sulfides and other chemicals.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Equipment measures : None in particular

Protective equipment

【Respiratory protection】 : None in particular

【Hand protection】 : Wear gloves if there is a risk of injury to hands.

【Eye protection】 : If there is a risk that wire offcuts will spring back, wear protective goggles.

【Skin and body protection】 : Wear safety boots when handling heavy objects.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

【Physical state】 : Solid; wire

【Color】 : Shiny golden color

Melting/freezing point : 905°C~930°C

Boiling point/initial boiling point/boiling : Copper: 2567°C

Range : Zinc: 907°C

Vapor pressure : No data available

Specific gravity (relative density) : 8.39g/cm³ (20°C)

Solubility : Insoluble in water

10. PHYSICAL HAZARDS (STABILITY & REACTIVITY)

Stable under normal handling conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Symptoms of poisoning due to swallowing include nausea, vomiting and sensation of weakness.
Symptoms of poisoning due to inhalation of copper dust and fumes include coughing, chest pain and fever.

Dermal corrosion/irritation

【Corrosion】 : No data available

【Irritation】 : In rare instances, copper may cause contact dermatitis.

Eye contact may cause severe : No data available eye damage/irritation.

Respiratory or dermal sensitization

【Respiratory】 : No data available

【Dermal】 : No data available

Germ cell mutagenicity : No data available

Carcinogenicity : No data available

Reproductive toxicity : No data available

Chronic toxicity : The symptoms of chronic copper poisoning are liver and kidney damage.

Aspiration hazard : No data available

12. ECOLOGICAL INFORMATION

Biotoxicity : No data available

Persistency/degradability : No data available

Bioaccumulativity : No data available

Soil mobility : No data available

13. DISPOSAL CONSIDERATION

Waste product : The user should take responsibility for the safe disposal of waste product, according to local regulations.

14. TRANSPORT INFORMATION

Protect containers from excessive friction and vibration during transportation. Follow local regulations.

UN recommendations

UN number : N/A

Product name : N/A

UN class : N/A

Container class : N/A

Marine pollutant : N/A

15. REGULATORY INFORMATION

Follow local regulations.

16. OTHER INFORMATION

None in particular

This Safety Data Sheet is intended as a guide to safe handling. However, the data is provided without warranty, express or implied. It is the user's responsibility to implement any safety measures, based on the guidelines herein that may be appropriate to the particular circumstances in which the product is to be used.