

Safety Data Sheet

1. Supplier and product

Jinhua Beiduo Import & Export Co.,Ltd.

Address:

#2999 Binhong West Road, Jinhua, Zhejiang, China

Telephone: 86-579-83533866 83533877 Fax:86-579-83533811

Emergency Phone Number: +86-579-83533866 / mobile: +86-13388668333

Product: Oxygen Free Copper wires/ rods/rings

Product size: Variable

Product Use(s): Industrial, for brazing etc.

2. Hazards identification

Classification of the substance/mixture.

The product is placed on the market in solid form

The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

Label elements:

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

3. Composition/information on ingredients

Chemical characterization: Mixture.

Description: None

Hazardous components (percentages by weight)

Ingredient	CAS Number	% wt.	GHS note
Copper (Cu)	7440-50-8	>99.95	Flam Sol. 1H228, Aquatic Acute 1 H400
Oxygen (O)	7782-44-7	<0.01	Not Clasified

Additional information: None.

4. First aid measures

General information: None.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

After skin contact:

Rinse affected area with soap and water.

If symptoms develop or persist, seek medical attention.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

If symptoms develop or persist, seek medical attention.

After swallowing:

Seek medical attention if irritation, discomfort, or vomiting persists.

Rinse mouth thoroughly.

Most important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment needed: No data available

5 Fire-fighting measures

Extinguishing media:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: None

Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters

Protective equipment: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Refer to Section 8

Additional information:

Avoid contact with skin, eyes and clothing.

Avoid inhaling gases, fumes, dust, mist and vapor.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Sweep or scoop up solid material while minimizing dust generation.

Always obey local regulations.

Reference to other sections: None

7 Handling and storage

Precautions for safe handling:

Do not eat, drink, smoke or use personal products when handling chemical substances.

Do not taste or swallow.

Conditions for safe storage, including any incompatibilities:

Store away from incompatible materials.

Avoid storage near extreme heat, ignition sources or open flames.

Specific end use(s): No additional information.

8 Exposure controls/personal protection

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. When handling wire such as in winding operations, safety glasses with side shields and protective gloves should be worn. Welding, brazing, soldering or hot staking should be done under a fume hood or in a room with adequate ventilation to prevent respiratory irritation.

If the wire is mechanically stripped, the dust should be contained and not allowed to enter the room air.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Appearance (physical state, color):	Solid, Red to Brown	Explosion limit lower:	Not determined or not available.
		Explosion limit upper:	Not determined or not available.
Odor:	Odorless	Vapor pressure:	1 mmHg @ 1628°C
Odor threshold:	Not determined or not available	Vapor density:	Not determined or not available.
pH-value:	Not determined or not available	Relative density:	Not determined or not available.
Melting/Freezing point:	1083°C (1981.4°F)	Solubilities:	Insoluble in water.
Boiling point/range:	2595°C (4703°F)	Partition coefficient (n-octanol/water):	Not determined or not available.
Density:	8.94 (Water = 1)	Kinematic viscosity:	Not determin

Other information: No additional information available

10. Stability and reactivity

Reactivity: Does not react under normal conditions of use and storage

Chemical stability: Stable under normal conditions of use and storage

Possibility of hazardous reactions: Will not occur.

Conditions to avoid: None

Incompatible materials: None

Hazardous decomposition products: Welding fumes and gases cannot be classified simply. The composition and quantity of both are dependent upon the metal being welded, the process, procedure and welding consumables used. Other conditions which also influence the composition and quantity of the fumes and gases to which workers may be exposed include: coating on the metal being welded (i.e. paint, painting, galvanizing), the number of welders, the volume of the work area, the quality and the amount of ventilation, the position of the

welders head with respect to the fume plume, as well as the presence of contaminants in the atmosphere (such as chlorinated hydrocarbon vapors from the cleaning and degreasing activities).

When an electrode is consumed, the fume and gas decomposition products generated are different in percent and form from the ingredients listed in Section 3. Fume and gas decomposition, and not the ingredients in the electrode, are important. The concentration of a given fume or gas component may decrease or increase by many times the original concentration. Also, new compounds not in the electrodes may form.

Decomposition products of normal operation include those originating from the volatilization, reaction or oxidation of the materials shown in Section 3, plus those from the base metal coating, etc., as noted above. Reasonable expected fume constituents of this product would include: Complex oxides of iron, manganese, silicon, chromium, nickel, columbium, molybdenum, copper, carbon dioxide, carbon monoxide, ozone and nitrogen Oxides. Some products will also contain antimony, barium, molybdenum, aluminum, columbium, magnesium, strontium, tungsten, and or zirconium. Fume limit for chromium, nickel and or manganese may be reached before limit of 5 mg/m³ of general welding fumes is reached.

Gaseous reaction products may include carbon monoxide and carbon dioxide. Ozone and nitrogen oxides may be formed by the radiation from the arc. Determine the composition and quantity of fumes and gases to which workers are exposed by taking an air sample from inside the welder's helmet if worn or in the worker's breathing zone. Improve ventilation if exposures are not below limits. See ANSI/AWS F1., F1.3 and F1.5, available from the American Welding Society, 550 N.W. Lejeune Road, Miami, FL 33126.

11. Toxicological information

Routes of exposure: No information available.

Acute toxicity: No additional information.

Skin corrosion/irritation: No additional information.

Serious eye damage/irritation: No additional information.

Respiratory or skin sensitization: No additional information.

Carcinogenicity:

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive Toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Aspiration toxicity: No information available.

Additional toxicological information: No additional information

12. Ecological information

Toxicity: No additional information.

Persistence and degradability: No additional information.

Bioaccumulative potential: No additional information.

Mobility in soil: No additional information.

General notes: No additional information.

Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

Other adverse effects: No additional information.

13. Disposal considerations

Waste treatment methods

Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

14. Transport information

UN Number: Not a dangerous good in sense of transport

UN proper shipping name: Not applicable

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA Section 311/312 (Specific toxic chemical listings): Not classified.

SARA Section 302 (Extremely hazardous substances): None of the ingredients are listed.

SARA Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

TSCA Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

European Union

REACH Article 57 (SVHC): None of the ingredients are listed.

Germany MAK: Not classified.

Australia

Australian Inventory of Chemical Substances (AICS):

All ingredients are listed.

China

Inventory of Existing Chemical Substances in China (IECSC):

All ingredients are listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS):

All ingredients are listed.

Korea

Existing Chemicals List (ECL):

All ingredients are listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC):

All ingredients are listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS):

All ingredients are listed.

16. Other information including information on preparation and revision of the SDS**Disclaimer**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).