

## Safety Data Sheet (SDS)

The content and format of this SDS is accordant with the latest version of GHS.

### 1. Identification of the substance or mixture and of the supplier

**Product name:** U/UTP CAT6 0.57BC

**Recommended use of the chemical and restrictions on use:** NETWORKING. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

**Manufacturer/Supplier:** HANGZHOU ZION COMMUNICATION CO., LTD.

Address: No.68 HuaQiao Road, JinCheng Street, Lin'an, HangZhou, ZheJiang, China

Postcode: 311399

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**Further information obtainable from:** HANGZHOU ZION COMMUNICATION CO., LTD.

**Information in case of emergency:** +86-0571-63804414

### 2. Hazards identification

**GHS classification:**

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

**Signal word:** Not applicable.

**Pictogram:** Not applicable.

**Hazard Statements:**

No relevant GHS classification for this product.

**Precautionary Statements:**

No special requirements.

**Response Precautionary Statements:**

No special requirements.

**Storage precautionary statements:**

No special requirements.

**Disposal precautionary statements:**

No special requirements.

### 3. Composition/information on ingredients

**Product description:** substance ( ), preparation/mixture ( ), article (√)

Ingredient (s)	CAS No.	EC No.	% by weight
Copper	7440-50-8	231-159-6	44.2654
Polyvinyl chloride resin	9002-86-2	618-338-8	38.392
High Density Polyethylene	--	--	11.291
Polyethylene	9002-88-4	618-339-3	5.871

Cotton yarn	--	--	0.182
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#### 4. First-aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

**Inhalation:** No special measures as there is no hazard for normal contact. If discomfort occurs after inhaling dust or fume from processing or thermal decomposition, remove to a place where air is fresh.

**Skin Contact:** No special measures as there is no hazard for normal contact. Wash with plenty water.

**Eyes Contact:** No special measures as there is no hazard for normal contact. If dust or fume from processing or thermal decomposition enters eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Rinse mouth. Do not induce vomiting without professional instruction. Get medical attention if discomfort occurs.

**Acute effect and delayed effect:**

Acute effect: Not found.

Delayed effect: Not found.

**Personal protective equipment:** Wear protective gloves/protective clothing/eye protection/face protection when necessary.

**Indication of immediate medical attention and treatment needed, if necessary:** Treat according to symptoms and exposure dose.

#### 5. Fire-fighting measures

**Extinguishing Media:** Use water spray, foam, dry chemical or CO<sub>2</sub> to extinguish.

**Unsuitable Extinguishing Media:** Do NOT use water jet which may make molten material splash.

**Special hazards arising from the chemical:** The product is not flammable, and has no special danger.

**Fire Fighting Method:**

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

Cool surrounding facilities, etc. with water spray.

Remove containers from fire area if it can be done without risk.

**Special protective equipment and precautions for fire-fighters:** Firefighters must wear self-contained breathing apparatus and full protective equipment. Check whether the protective equipment is in good condition before use.

#### 6. Accidental release measures

**Personal precautions:** Use proper personal protective equipment as indicated in Section 8.

**Emergency procedures:** No special requirements.

**Environmental Precautions:** Keep collected waste out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

**Methods and materials for containment and cleaning up:**

Due to the nature of this product, there are no special measure for collection.

Collect it into a proper container for disposal.

Avoid generating dust during collection and clean-up.

## 7. Handling and storage

### Precautions for safe handling:

Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly sealed in a dry and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**Incompatible substances or mixtures:** No information available.

**Packing material:** Wooden spool + pallet.

## 8. Exposure controls/personal protection

### Occupational Exposure Limits:

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA
Copper (CAS: 7440-50-8)	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Install washer eyes and safety showers near to the handling and storage area.

### Personal Protective Equipment (for workers):

**Protection of Hands:** Recommend wearing protective gloves for industrial hygienic purpose.



**Protection of Eyes:** No special requirements under normal conditions. Wear safety glasses when dust or fume may be generated during processing or working for a long time.

**Respiratory Protection:** No special requirements under normal conditions. Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.

**Protection of Body:** Recommend wearing uniforms.

### General protective and hygienic measures:

Wash hands before breaks and at the end of work.

## 9. Physical and chemical properties

Physical state	Solid
Colour	Grey
Odour	Odorless
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Non-flammable
Lower and upper explosion limit/flammability limit	Not applicable
Flash point	Not applicable

<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	No data available
<b>pH</b>	Not applicable
<b>Kinematic viscosity</b>	Not applicable
<b>Solubility</b>	Insoluble in water
<b>Partition coefficient: n-octanol/water (log value)</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<b>Density and/or relative density</b>	No data available
<b>Relative vapour density</b>	Not applicable
<b>Particle characteristics</b>	No data available

## 10. Stability and reactivity

**Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated.

**Chemical stability:** Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:** No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to Avoid:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**Incompatible materials:** No information available.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### Product Toxicity Data:

Ingredient (s)	CAS No.	LD <sub>50</sub> /LC <sub>50</sub> (Median lethal dose)
Copper	7440-50-8	Acute toxicity (Oral) LD <sub>50</sub> > 2,500 mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD <sub>50</sub> > 2,000 mg/kg (rat) Data source: ECHA
Polyvinyl chloride resin	9002-86-2	No data available
Polyethylene	9002-88-4	Acute toxicity (Oral) LD <sub>50</sub> > 8,000 mg/kg (rat) Data source: ECHA Acute toxicity (Inhalation) LC <sub>50</sub> : 75.5 mg/L/30min (rat) Data source: ECHA
Classification of the whole product:		Not classified

<b>Skin corrosion/irritation</b>	No classification for this product.
<b>Serious eye damage/eye irritation</b>	No classification for this product.
<b>Respiratory sensitizer</b>	No classification for this product.
<b>Skin sensitizer</b>	No classification for this product.
<b>Germ cell mutagenicity</b>	No classification for this product.
<b>Carcinogenicity</b>	No classification for this product.
<b>Reproductive Toxicity</b>	No classification for this product.

<b>Specific target organ toxicity, single exposure</b>	No classification for this product.
<b>Specific target organ toxicity, repeated exposure</b>	No classification for this product.
<b>Aspiration hazard</b>	No classification for this product.
<b>Effects on or via lactation</b>	No classification for this product.

## 12. Ecological information

**Ecotoxicity:** No data available.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

## 13. Disposal considerations

### **Waste treatment methods:**

**Chemical Waste:** Transport to specialized waste disposal sites for disposal. It must strictly follow local regulations for disposal.

**Contaminated packaging:** Generally this product will not contaminate the packaging, so the packaging can be disposed of as non-hazardous waste.

### **Cautions for disposal:**

Do not allow product to reach sewage system.

Do not throw it into any open bodies of water.

It is recommended to recycle and reuse it.

## 14. Transport Information

### **DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:**

**Proper Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN Code:** Not applicable

**Packing Group:** Not applicable

**Packing Group Symbol:** Not applicable

**Marine Pollutant (Yes/No):** No

**EMS NO.:** Not applicable

### **Note:**

*Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances.*

## 15. Regulatory information

### Laws and Regulations of China:

#### General rule for classification and hazard communication of chemicals (GB 13690-2009):

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

**The Principle of Classification of Transport Packaging Groups of Dangerous Goods (GB/T 15098-2008):** Not applicable.

**Dangerous Chemicals List (GB 12268-2012):** Not applicable.

**Dangerous chemicals directory (2015):** Not applicable.

**Production Safety Law of the People's Republic of China:** As for safe production and management, emergency handling and legal liability, comply with relevant provisions of this law.

**Occupation Disease Prevention Law the People's Republic of China:** As for precautions, prevention, management and occupational disease diagnosis, comply with relevant provisions of this law.

**The Environment Protection Law of the People's Republic of China:** As for the prevention of environment pollution and environment protection, comply with relevant provisions of this law.

### United States:

**Section 355 (extremely hazardous substances):** Not listed.

**SARA 313:** Copper (CAS: 7440-50-8).

#### Toxic Substances Control Act (TSCA):

Ingredient (s)	CAS No.	TSCA Inventory
Copper	7440-50-8	Listed
Polyvinyl chloride resin	9002-86-2	Listed
Polyethylene	9002-88-4	Listed

### Clean Water Act:

Chemical Name	CWA - Reportable Quantities	CWA - Hazardous Substances	CWA - Priority Pollutants	CWA - Toxic Pollutants
Copper (CAS: 7440-50-8)	2270 kg	Listed	Listed	Listed

### Carcinogenicity categories:

Polyvinyl chloride resin (CAS: 9002-86-2): IARC-3.

Polyethylene (CAS: 9002-88-4): IARC-3.

### European Union:

**Candidate List of Substances of very high concern (SVHC) according to ECHA:** Not listed.

**REACH Regulation Annex XVII Regulation List:** Not listed.

**REACH Regulation Annex XIV Authorization List:** Not listed.

**Germany – WGK:** Not classified.

#### (EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification
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	<b>CLASS. CODE</b>	<b>HAZARD CODE</b>
Copper (CAS: 7440-50-8)	Aquatic Chronic 2	H411

**Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.

## 16. Other information

### DISCLAIMER:

All the information of this SDS is true and effective, and only for reference. Our company will not control the way how people use it, neither will we be responsible for any consequence. The users shall decide how to properly use the product or adopt certain production way for some special purpose. The above-mentioned precautionary measures are helpful to avoid damage to the property or life safety during the operation or use of this product.

**References:** Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 9, 2021).

### Full description of some acronyms:

**GHS-Globally Harmonized System of Classification and Labelling of Chemicals**

**CAS-Chemical Abstracts Service**

**EINECS-European Inventory of Existing Commercial Chemical Substances**

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

**OSHA-Occupational Safety and Health Administration**

**IARC- International Agency for Research on Cancer**

**NTP- The National Toxicology Program**

**IMO-International Maritime Organization**

**IMDG-International Maritime Dangerous Goods**

**IATA-International Air Transport Association**

**ICAO-International Civil Aviation Organization**

**TSCA-Toxic Substances Control Act**

**ECHA- European Chemicals Agency**

**NITE-CHRIP- Japan National Institute of Technology and Evaluation-Chemical Risk Information Platform**

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