

# Material Safety Data Sheet (MSDS)

NO.: A001R231130003002

Date: Nov. 30, 2023

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**Applicant:** Zhejiang Tianjie Industrial Corp.

**Address:** Linglong Economic Development Zone, Lin'an area, Hangzhou city, Zhejiang Province, China

**Sample name:** INSTRUMENTATION CABLES 2PR 18AWG 0.75MM TCW LSZH

**Model:** MAS5402CSLS

**Issue date:** Nov. 30, 2023

**Test Requested:** As specified by the client, Safety Data Sheet was prepared in accordance with UN GHS Rev.9, REACH Regulation (EC) No.1907/2006 and CLP Regulation (EC) No.1272/2008 and Regulation (EU) No.2020/878. Please refer to the attached report for details.

Dongguan City Tianrun Testing Technology Co.,Ltd.



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## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**Product Name:** I INSTRUMENTATION CABLES 2PR 18AWG 0.75MM TCW LSZH

**Manufacturer:** Zhejiang Tianjie Industrial Corp.

**Address:** Linglong Economic Development Zone, Lin'an area, Hangzhou city, Zhejiang Province, China

**Emergency Telephone:**+86-571-23656078

**Email:** cs@tian-jie.com

### Section 2 - Hazards Identification

**GHS Hazard Categories:**The product is not classified according to the GHS regulation.

**Pictograms:**None

**Hazard information:**None **Invasion**

**route:** None

**Health hazards:**Under the normal condition of application,contact do not cause absorption hazard and irritate.

**•Storage:**

Store in a well-ventilated place.

**•Disposal:**

Dispose of contents and container in accordance with national regulations.

### Section 3 - Composition/Information on Ingredient

Pure  Admixture

**Composition:**

Ingredient Name	CAS Number	% of total product (100ppm, 0.01%)
Tinned Oxygen Free Copper wire to AS1125	7440-50-8/7440-31-5	36.19%
Insulation Low Smoke Zero Halogen - LSZH (AS/NZS 3808&RoHS)	See below data sheets table1	14.20%
Outer Jacket: Low Smoke Zero Halogen - LSZH	See below data sheets table2	39.89 %
Polyethylene terephthalate (PET)	25038-59-9	1.19 %
Aluminum Mylar	7429-90-5	2.23%
Polyester	113669-95-7	6.30%

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**Data sheets table1**

Ingredient Name	CAS Number	% of total product (100 ppm, 0.01%)
Insulation - LSZH to AS/NZS3808		
Ethylene-vinyl Acetate Copolymer	24937-78-8	[25.0] %
Polyethylene(PE)	9002-88-4	[15.0] %
Polyolefin elastomer	100-46-9	[7.00] %
Aluminium hydroxide	21645-51-2	[50.00] %
Pigment	9002-88-4	[1.00] %
Melamine cyanurate (MCA)	37640-57-6	[2.00] %

**Data sheets table2**

Ingredient Name	CAS Number	% of total product (100 ppm, 0.01%)
Outer Jacket - LSZH to AS/NZS3808		
Ethylene-vinyl Acetate Copolymer	24937-78-8	[25.0] %
Polyethylene(PE)	9002-88-4	[10.0] %
Polyolefin elastomer	100-46-9	[9.00] %
Aluminium hydroxide	21645-51-2	[55.00] %
Pigment	9002-88-4	[1.00] %

## Section 4 - First Aid Measures

**Skin contact:** Under normal circumstances will not cause any harm. **Eyes**

**contact:** Under normal circumstances will not cause any harm.

**Inhalation:** Under normal circumstances will not cause any harm.

**Ingestion:** Under normal circumstances will not cause any harm.

## Section 5 - Fire Fighting Measures

### Danger characteristic:

Non flammable and non explosive dangerous goods.

### Fire-fighting method:

The staff must equip with isolated breathing apparatus, wear clothes which can defense fire and toxic gases. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible.

### Fire extinguishing agent:

Powder, CO<sub>2</sub>, Sandy clay.

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## Section 6 - Accidental Release Measures

**Methods for cleaning up:** Material is non-hazardous, can be collected. Dispose of this product according to all national, state, and local regulations where applicable. Small amount of spillage: Clean off. Collect in a dry, clean, covered container and transferred to safe place; Massive spillage: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**Handling:** Supply with sufficient partial air exhaust. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for spillage handling.

**Storage:** Keep in sealed container, place in a cool dry place.

## Section 8 - Exposure Controls, Personal Protection

**Occupational exposure limit:**

**MAC(mg/m3):** No information

**TWA(mg/m3):** No information

**STEL(mg/m3):** No information

**Engineering control:** The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation.

**Eyes Protection:** No protection in normal situation.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

## Section 9 - Physical and Chemical Properties

**Appearance:** Solid

**Colour:** White/Black

**PH:** N/A

**Melting point/range:** N/A

**Density:** N/A

**Oxidising properties:** N/A

**Solubility in water:** Insoluble in water

**Partition coefficient(n-octanol / water):** N/A

**Evaporation rate:** N/A

**Odour:** Odourless

**Boiling point/range:** N/A

**Flashpoint:** N/A

**Viscosity:** N/A

**Vapour pressure:** N/A

**Vapour density:** N/A

**Ignition temperature:** N/A

**UEL:** N/A

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## Section 10 - Stability and Reactivity

**Stability:** Stable under normal temperature and pressure

**Distribution of Ban:** Strong oxidizing agent, strong acid

**Conditions to Avoid:** None

**Hazardous Polymerization:** None

**Decomposition products:** In normal condition of storage and use, hazardous decomposition products should not be produced.

## Section 11 - Toxicological Information

**Acute Toxicity:** No known significant effects or serious harm.

**Sub-acute and Chronic Toxicity:** No known significant effects or serious harm.

**Irritation:** No known significant effects or serious harm. **Sensitization:**

No known significant effects or serious harm. **Mutagenicity:** No

known significant effects or serious harm. **Carcinogenicity:** No known

significant effects or serious harm.

## Section 12 - Ecological Information

**Ecological toxicity:** None

**Persistence and degradation:** No information

**Potential bioaccumulation:** No information

**Migration in soil:** No information

**Other harmful effects:** Non

## Section 13 - Disposal Considerations

**Disposal method:** Dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**Disposal considerations:** Choose to have certified disposal contractor.

## Section 14 - Transport Information

**According to IATA DGR 64<sup>th</sup> (2023) for transportation.** The product as a non restricted goods transport.

**UN number:** None

**Risk classification:** Non-dangerous goods.

**Land Transport ADR/RID:** Not regulated for transport of dangerous goods.

**Maritime Transport IMO/IMDG:** Not regulated for transport of dangerous goods.

**Air Transport IATA/ICAO:** Not regulated for transport of dangerous goods.

**Packaging Information:** Packing according to customer requirements.

**Transport Fashion:** By sea、By air、By rail、By highway

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**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

## Section 15 - Regulatory Information

### Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2008 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

## Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof.

Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*End of MSDS\*\*\*