



MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 1 of 9

Material Safety Data Sheets

Section 1 - Product and Company Identification

Product Identification : NTC Temperature sensor

Trade Name : KDT

Applicant : SHENZHEN KEDITE ELECTRONICS CO. , LTD.

Address : 1704, Unit 1, Building D, Building D, Building D, building 1, Jinyuan, Bojeong, houting community, Sha Jing Street, Bao 'an district, Shenzhen

Manufacture : SHENZHEN KEDITE ELECTRONICS CO. , LTD.

Address : 1704, Unit 1, Building D, Building D, Building D, building 1, Jinyuan, Bojeong, houting community, Sha Jing Street, Bao 'an district, Shenzhen

Test Model : MF52D Series, MF52 Series, MF55 Series, MF59 Series, MF5E Series, MF58 Series

Issue Date : Mar.26,2025 - Apr.02,2025

Contact Person : Szwangzhen

Tel. : +0755-27928457

Signed for and on behalf of



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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 2 of 9

Material Safety Data Sheets

Section 2 – Composition/Information on Ingredients

Ingredient Name: NTC Temperature sensor

The difference between the single product and mixture: mixture

Chemical Name:

Constitutes:

Composition material name	% of total weight	The chemical name of the substance	CAS No.	Content/%
Powder	2.1%	Manganese oxide	11129-60-5	50.00%
		iron oxide	1309-37-1	20.00%
		Nickel oxide	1313-99-1	20.00%
		alumina	1302-74-5	10.00%
Electrode silver paste	0.1%	Silver powder	7440-22-4	100.00%
Tin plated copper wire	75.5%	tin	7440-31-5	3.50%
		copper	7440-50-8	96.50%
Packaging material	22.2%	epoxy resin	38891-59-7	100%
solder	0.1%	tin	7440-31-5	100%

Section 3 - Hazards Identification information

Health Hazards (Acute & Chronic):

Potential Health Hazards:

Skin Contact: (liquid only): May irritate the skin.

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 3 of 9

Material Safety Data Sheets

Eyes Contact: (liquid only):

May irritate the eyes. May cause redness or swelling.

Inhalation:(liquid only):

May cause irritation to mucous membranes.

Ingestion: (liquid only):

May cause nausea, vomiting, upset stomach, diarrhea.

Medical Conditions Generally Aggravated by Exposure: Pre-existing dermatitis

Section 4 - First Aid Measures

First Aid:

Eyes: Immediately lifting the upper and lower eyelids. Flush eyes with plenty of water for at least 15 minutes, Get medical attention.

Skin: Swabbed out and ETHYL ACETATE to clean.

Inhalation: Leave quickly from the scene to fresh air place. Keep airway open. Such as difficulty breathing, give oxygen. If stopped breathing, once artificial respiration. Go to a doctor.

Ingestion: Drink plenty of warm water, spits. Gastric lavage, guide inner-leakage. Go to a doctor.

Section 5 - Fire Fighting Measures

Hazardous characteristics: Encounter flame can burn. And antioxidant can happen reaction. By the high thermal decomposition emit poisonous gases.

Hazardous combustion products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

Extinguishing method: Water spray cooling container, moved the container to the empty place if possible. If the vessel in the fire already discoloration or from safety relinef-pressure devince voice, must produce evacuated immediately.

Extinguisher: Bubble, carbon dioxide, dry powder, sandy soil.

Not recommended: Bubble, carbon dioxide, sandy soil, direct water jet or water mist.

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 4 of 9

Material Safety Data Sheets

Section 6 - Accidental Release Measures

Steps to be taken in case Material is Released or Spilled:

Leave quickly leakage pollution area personnel to safety, and isolation, strictly limiting access. Cut off the fire. Suggest emergency personnel wearing self-sustaining positive pressure type respirator, wear anti-static work clothes. As cut leakage source. Prevent ditch into sewer pipes, such restrictive space. Small spills with sand, vermiculite, or other inert materials absorption. Massive leak: to construct the beach or dig a pit asylum. Covered with foam, reduce steam disasters. Use explosion-proof pump metastasize to the tank or special collector inside, recycling or shipped to the waste disposal sites disposal.

Section 7 - Handling and Storage

Newly type gas mask (comprehensive mask), wearing protective clothing, wear rubber gloves.

From direct sunlight, heat and workplace forbids smoking.

Prevent steam leakage into the workplace atmosphere.

Avoid contact with antioxidants. Handling want light light, prevent packaging and container unloading damage.

Equipped with corresponding varieties and number of fire equipment and leakage emergency treatment equipment.

Empty containers may remain pests.

Precautions to be taken in handling and storing

Stored in a cool, well-ventilated area.

Far from fire, heat source.

Keep out of reach of children & pets.

With oxidant, edible chemicals should be stored apart, avoid by all means is mixed storage.

Do not place the deodorizer near heating equipment, nor expose to direct sunlight for long periods.

Equipped with corresponding varieties and number of fire equipment.

Storage areas shall be equipped with emergency treatment equipment and appropriate leakage of asylum materials.

Extremely toxic substances shall strictly carry out the "five pairs of" management system.

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 5 of 9

Material Safety Data Sheets

Section 8 - Exposure Controls & Personal Protection

Respiratory Protection:

The higher concentration in the air when filter brand-newly type gas mask, wearing a mask (half).

Ventilation: Not necessary under conditions of normal use.

Protective Gloves: Wear rubber gloves.

Other Protective Clothing or Equipment:

. Wearing protective clothing.

. Maintain good health habits.

Section 9-Physical and Chemical Properties

Appearance and traits	Powder	Odor	Lemon scent
Colour	White with blue speckles	Relative density (water=1) (25°C)	420±20
Solubility	Soluble in water	Decomposition temperature (°C)	No data
Flash point (°C)	N/A	pH	10.0-10.4
Melting point (°C)	No data	n-octanol/water partition coefficient	No data

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 6 of 9

Material Safety Data Sheets

Section 10 - Stability & Reactivity Data

Chemical Stability: Stable.

Conditions to Avoid: Strong oxidizer, potassium, sodium

Hazardous Decomposition Products: N/A

Hazardous Polymerization: N\A

Section 11 - Toxicological Information

Toxicological Information: N\A

Excitant: Slightly

Primary irritant effect

- on the skin: No irritant effect.
- on the eye: Slightly irritating
- Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 7 of 9

Material Safety Data Sheets

Toxicokinetics, metabolism and distribution:

No further relevant information available

Acute effects (acute toxicity, irritation and corrosivity):

No further relevant information available

Section 12 - Ecological Information

Ecological Information:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Waste treatment methods

· Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

· Recommendation: Disposal must be made according to official regulations.

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 8 of 9

Material Safety Data Sheets

Section 14 - Transport Information

Packaging methods:

UN number: Not regulated.

UN shipping name: Non-dangerous goods.

Packaging mark: Not regulated.

Packing category: Not regulated.

Packing method: Use suitable materials for packaging, the products are placed vertically, the packaging is firm, undamaged, moisture-proof, sun-proof, and shock-proof. Each box should have a product certificate.

Transportation precautions: Transport vehicles should be equipped with corresponding types and quantities of fire-fighting equipment during transportation, and mixing with oxidants, acids, edible chemicals, etc., is strictly prohibited. Avoid exposure to the sun, rain, and high temperature during transportation.

Section 15 - Regulatory Information

《Dangerous Goods Regulation》

《Recommendations on Transport of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

《Occupational Safety and Health Act》 (OSHA)

《Toxic Substances Control Act》 (CPSA)

《Federal Environmental Pollution Control Act》 (FEPICA)

《The Oil Pollution Act》 (OPA)

《Superfund Amendments and Reauthorization Act III(302/311/312/313)》 (SARA)

《Resource Conservation and Recovery Act》 (RCRA)

《Safety Drinking Water Act》 (CWA)

《California Proposition 65》

《Code of Federal Regulations》 (CFR)

In accordance with all Federal, State and local laws.

Section 16 - Other Information

Other Information:

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MSDS

Report No: XDX56257067040203FHR

Date: Apr.02,2025

Page 9 of 9

Material Safety Data Sheets

The above information is based on the data of which we are aware and is believed to be correct as of the date 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 date hereof may suggest modifications of the information, we do not assume any responsibility for the result 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.

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*****END*****

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