

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Manufacturer

2014/3/19

Product Name	UCCT
Classification of Product	Copper Conductive Adhesive Tape
Manufacturer	U-TEK EMI CORP.

2. Composition

Structure	
1. Base Material	: Copper(25%)、Toluene(20%)、EAC(20%)、Nickel(13%)
2. Adhesive	: Acrylic Adhesive(22%)
3.CAS NO.	: Toluene(108-88-3)、EAC(141-78-6)、Nickel (7440-02-0)
4.Hazardous Ingredients	: 53% Toluene、EAC、Nickel

Ingredient	
Acrylic Adhesive	Trade Secret
Base Material	Copper (0.035m/m)

3. Health Hazard Date

General Hazard	Exposure to the product in normal storage and handling has not been reported to cause a special hazard. However, under the processing of grinding or heating, the vapors of heated material and smell may cause irritation to respiratory organs.
Skin Contact	Direct contact may cause skin irritation such as itching or redness.
Eye Contact	Eye contact is not expected to occur during normal use of the product
Ingestion/Inhalation	Health effects from breathing in smell of product may expected. : headache, mausea and respiratory difficulties.

4. Emergency & First Aid Procedure

Eye contact	Immediately rinse with water or saline solution
Skin contact	Wash the area with soap or soft cleaner
Inhalation	Move to fresh air. If symptoms continued, seek medical attention
Ingestion	If swallowed, no need for first-aid is anticipated

5. Fire & Explosion

Flash Point	No data
Mini/Maxi Flammable Limit	No data
Autoignition Temperature	No data
Extinguishing media	Water, Water spray, Carbon dioxide, Dry chemical, Dry powder, Foam
Fire fighting instruction	Wear positive pressure, self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Avoid the inhalation of harmful vapors and stay downwind.
OSHA fire hazard class	Not applicable

6. Accidental Release Measures

Protection for Humans	Product is a solid material and would not in practice, be released
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7. Handling & Storage

Safe Handling	Protective devices (gloves, mask, goggles) may not be required in particular in the normal use of this product. Avoid prolonged or repeated skin contact Avoid breathing of thermal decomposition products for respiratory protection
Storage	Avoid direct rays of the sun and store in cool indoors

8. Personal Protection, Exposure controls

Engineering Management	Install a thorough ventilation system at a working area
Respiratory protection	not required a mask
Eye protection	not required a goggles
Hand protection	not required a gloves

9. Physical & Chemical characteristics

Appearance	Transparent adhesive tape in embossed coating
Odor	Slight
Boiling point	N/A
Vapor pressure	N/A
Melting point	N/A
Solubility in water	N/A
Specific gravity	N/A
Viscosity	N/A

Stability	Stable
Material to avoid	Strong acids and strong oxidizing agents
Conditions to avoid	Not applicable (If polymerization may occur)
Hazardous decomposition products	Ethyl Acetate
Hazardous polymerization	It will not occur

10. Stability & Reactivity

Effect on eye	No data
Effect on skin	No data
Acute Oral Effect	No data
Chronic Effect	No data
Mutagenic Effect	No data
Effect on next generation	No data
Specific data	No data

11. Toxicity Data

12. Environmental Data

Not determined

13. Disposal Procedure

Disposal of waste product should be confirm to the state and local regulations, waste management law.

14. Transport Data

UN No.	No data
International classification	Not applicable

15. Regulation

Toxic Substances Control Act (TSCA)	All components are included in the EPA Toxic Substances Control Act (TSCA) chemicals substances inventory
OSHA Hazard communication standard hazard classes	None

16. Other Information

Data Source : This data is based on MSDS component provided by the Safety Department of U-TEK Ltd.

This data is the procedures for the safe handling of the material.

However, since the product is a solid and is not hazardous, the data is only to give the reference to users and written in MSDS form.