



TA-I Group

Passive Component

Safety Data Sheet (SDS)

Section 1: Manufacturer Information:

Name	TA-I TECHNOLOGY CO., LTD		
Product	Chip Resistor & Chip Resistor Array Series (RM/RMF/RMS/CN/CNC/RT/RML/RAS/RASS/RASA Series) Remark : RM/RMF/RMS/ RMH/ CN/CNC/RT/RML/RAS /RASS/RASA are same raw materials		
Manufacture Address	No.26, Lane 470 , Nan-Shan Rd., Sec. 2 , Lu -Chu Hsiang,Taoyuan,Taiwan , R.O.C		
Phone No.	886-3-3246169	Contact Person	Ken Shyu
Fax No.	886-3-3246167	Email Address	Ken.Shyu @tai.com.tw

Section 2: Hazards Identification

Contact	May cause eye, skin tract irritation.
Inhalation	Not likely to be inhaled due to physical form.
Ingestion	May cause harm in digestive organs. Lead Compounds may cause lead poisoning.

Section 3: Composition/ Information On Ingredients:

Ingredient	Equation	CAS NO.	Wt :%
Aluminum trioxide	Al ₂ O ₃	1344-28-1	70~95
Silicon dioxide	SiO ₂	14808-60-7	>3
Silver (Metallic)	Ag	7440-22-4	<5
Glass	----	65997-17-3	<0.3
Palladium (Metallic)	Pd	7440-05-3	<0.3
Ruthenium oxide	RuO ₂	12036-10-1	<0.5
Glass	----	65997-18-4	<0.5
Resins (Epoxy / Phenolic)	Epoxy	25068-38-6	<2
Resins (Epoxy)	Epoxy	25085-99-8	<0.3
Chromic	Cr	7440-47-3	<0.6
Nickel Compounds	Ni	7440-02-0	<8
Tin	Sn	7440-31-5	<6

Section 4: First-Aid Measures

Eye	1. Flush the irritated eyes with clean water at least 5mts 2. Go medical check at once.
Skin	Not likely to harm unless the skin cut. Normal operative aid for skin-cut.

Inhalation	<ol style="list-style-type: none"> 1. Remove or clean the inhalation. 2. Relocate the inhaled one for fresh air. 3. CPR operation at once the occurrence of hard breathing. 4. Prompt doctor diagnosis.
Ingestion	<ol style="list-style-type: none"> 1. No any further ingestion while conscious-less. 2. Water rinse the mouth as if well conscious being. 3. No any aid for vomit 4. 240-300ml water drinking 5. Repeat gargling and drinking as if physical vomit 6. CPR as if breathing halt

Section 5: Fire-Fighting Measures

Fire-Fighting	Approved pressure demand breathing apparatus and protective clothing should be used for all fires.	
Extinguishing Media	Water spray and Foam or Dry Chemical, CO2	
Hazardous Combustion Products	Fume may be emitted during a fire.	
Flash Point	Lower Flammable Limit	N/A
	Lower Flammable Limit	N/A

Section 6: Accidental Release Measures

Sweep and gather up material and place in proper container for disposal or recovery.

Section 7: Handling And Storage

Handling	Apply aggressive housekeeping activities to prevent dust accumulation.
Storage	Store in cool and dry room away from heat, dampness, spark or fire.

Section 8: Expose Controls/ Personal Protection:

Engineering Controls	A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust system is recommended.
Eye/Face	Wear safety glasses with side shield
Skin	Avoid prolonged or repeated contact with skin.
Ventilation	Local

Section 9: Physical And Chemical Properties

Appearance Form	Black, Solid
Odour	slight odor
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evapouration rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive	no data available
Vapour pressure/ Vapour density	no data available

Section 10: Stability And Reactivity

Stability	Generally stable
Reactivity	Not reactive under recommended conditions of handling and storage
Material To Avoid	Oxidizing agents

Section 11: Toxicological Information

Oral Toxicity	Lead may cause lead poisoning
Dermal Toxicity	Product not considered primary skin irritant
Inhalation Toxicity	Processing fumes from similar products are not considered toxic.
Eye Irritation	Product not considered primary eye irritant

Section 12: Ecological Information

- 12.1 Toxicity no data available
- 12.2 Persistence and degradability no data available
- 12.3 Bioaccumulative potential no data available
- 12.4 Mobility in soil no data available
- 12.5 Results of PBT and vPvB assessment no data available
- 12.6 Other adverse effects Not expected to present any significant ecological problems.

Section 13: Disposal Consideration

Waste disposal should be in accordance with State and Local Environmental Regulations.

Section 14: Transportation Information

Keep away from oxidizing materials and source of ignition. Transportation should be in accordance with State and Local Environmental Regulations.

Section 15: Regulatory Information

Follow all regulations in your country.

Section 16: Other Information

Department	Engineering Department		
Manufacture Address	No.26, Lane 470 , Nan-Shan Rd., Sec. 2 , Lu-Chu Hsiang , Taoyuan Taiwan R.O.C		
Writer	Name : Ken Shyu		
Date	2022/04/ 06	VER.	B4