


Safety Data Sheet

1. Product and Company Information

Product name: Chip Antenna
Manufacturer: RIDEE TECH CO., LTD.
Address: 12F., No. 507, Zhongshan 2nd Rd., Qianjin Dist., Kaohsiung City 80146, Taiwan (R.O.C.)
TEL: (07) 281-8676 FAX: (07) 281-6498

2. Hazard Identification

Hazard Classification: Inhalation Hazardous Substances - Class II	
Marked content:	
	<ul style="list-style-type: none"> ● Symbols: ● Warning slogan: Warning ● Hazard warning message: Harmful if swallowed and enters the respiratory tract ● Hazard prevention measures: In case of accident or discomfort, send medical treatment
Other hazards: -	

3. Compositions Identification

Product name: AAN Chip Antenna -AAN Series						
NO	Material	Main composition	Chemical formula	CAS NO	Rate (WT%)	Sum (WT%)
1	Substrate	Aluminum oxide	Al ₂ O ₃	1344-28-1	78.336	81.6
		Silica	SiO ₂	14808-60-7	2.448	
		Manganese oxide	MgO	1309-48-4	0.816	
2	Inner term (Top)	Silver	Ag	7440-22-4	2.976	4.3
		Palladium	Pd	7440-05-3	0.0376	
		Ethyl Cellulose	[C ₆ H ₇ O ₂ (OC ₂ H ₅) ₃] _n	9004-57-3	0.2338	
		Butyl Carbitol	C ₈ H ₁₈ O ₃	112-34-5	1.0526	
	Inner term (Bottom)	Silver	Ag	7440-22-4	2.976	4.3
		Palladium	Pd	7440-05-3	0.0376	
		Ethyl Cellulose	[C ₆ H ₇ O ₂ (OC ₂ H ₅) ₃] _n	9004-57-3	0.2338	
		Butyl Carbitol	C ₈ H ₁₈ O ₃	112-34-5	1.0526	
	Inner term (Side)	Chromium	Cr	7440-47-3	0.02	0.1
		Ni	Ni	7440-02-0	0.08	
3	Coating (G2 TOP)	Novolac Epoxy	EPOXY	25068-38-6	1.5	1.5
				29690-82-2		
	Coating (G2 Bottom)	Novolac Epoxy	EPOXY	25068-38-6	1.5	1.5
				29690-82-2		
4	Center term	Nickel and compounds	Ni	7440-02-0	2.5	2.5
5	Center term	Tin	Sn	7440-31-5	4	4
6	Marking	Epoxy Resin	EPOXY	25085-99-8	0.1	0.2
		Barium Sulfate	BaSO ₄	7727-43-7	0.03	
		Titanium Dioxide	TiO ₂	13463-67-7	0.06	
		Diethyleneglycol Monoethyl Ether Acetate	C ₈ H ₁₆ O ₄	112-15-2	0.01	
TOTAL					100	100



4. First -Aid Measures

First Aid Measures of Different Exposed Ways
Inhalation: <ol style="list-style-type: none">1. Clean away and take out the inhaled substances.2. Remove the polluted source and move the victim to the place with fresh air.3. If the victim breathes difficultly, give him the oxygen by trained people under the doctor's instruction.4. Send the victim to hospital immediately.
Eat-in: <ol style="list-style-type: none">1. If the victim loses the consciousness or has spasm, don't feed anything through the mouth.2. If the victim is conscious, let him gargle his mouth by water.3. Don't make the victim spill out.4. Let the victim to drink 240-300ml of water.5. If the victim spilt out spontaneously, let him drink and gargle repeatedly.6. If the victim stops breathing, give the victim the first aid by trained people immediately.7. Send the victim to hospital immediately.
Eye Contact: Wash the eyes by clean water and go to hospital.
Skin Contact: For skin allergy, go to the hospital. For slashes, deal the victim with the surgery.

5. Extinguishment Measures

Applicable extinguisher: Carbon dioxide, Dried powder extinguishers, Water
Special process for fire fighting: nil.
Fireman's protection: Fireman must wear the fire fighting coat, air mask and protecting gloves.

6. Accidental Leaking Measures

Personal attentions: nil.
Environmental attentions: nil.
Dealing action: Clean and collect then throw.

7. Safety Handling and Water Storage

Storage handling: must be waterproof and pollution-proof.

8. Exposure Control Measures

Engineering control: Keep the working area ventilated.
Personal protection: Breathing protection: General breathing protection. Eye protection: Safety protection glasses Hand protection: Common gloves. Skin and body protection: General protection
Hygiene: Ordinary.

9. Safety and Reactive Substances

Safety: Safe and hard to decompose
Possible endangered reaction in special condition: <ol style="list-style-type: none">1. Instant heat over 200°C could break and spread the substrate.2. Disorderly operating could slash the human body.



10. Physical and Chemical Substance

Substance status: Solid.	Melting point: 2050°C
Shape: Plate or Piece	Specific weight density: >1(Water=1)
Color: Blackish silver	Flashing point fire: nil
PH value: nil	Dissolution: Insoluble in water.
Scent: nil	Exploding limits: nil
Decomposing temperature: nil	Natural temperature: nil
Steam pressure: nil	Vapor density: nil

11. Toxicological Information

Acute Toxicity: Inhaling: Stimulate the nose, throat and upper respiratory tract. Cause the acute injure of lung. Eyes: Cause uncomfortableness or slash. Eat-in: No poison in short period but could cause the invasive injure.
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12 Ecological Information

Possible environmental effect/environment distribution: 1. No accumulation. 2. No damage to environment.
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13. Disposal Consideration

Waste disposal action: 1. Recycle and refine. 2. Manage per waste disposal regulation.
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14. Transport Information

1. International regulation: nil
2. UN code: nil
3. Domestic transport regulation: nil
4. Special transportation: nil

15. Regulatory Information

Applicable regulation: Manage per the "Cleaning regulation of wastes", international environment protection regulation of electronic and electrical devices "RoHS", "WEEE", "REACH", the business related waste and environment protection regulation.
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16. Other Information

References	Per the MSDS of our raw material suppliers
Made by unit	Name: RIDEE TECH CO., LTD. Address: 12F., No. 507, Zhongshan 2nd Rd., Qianjin Dist., Kaohsiung City 80146, Taiwan (R.O.C.)
Made by	Hannah
Date	2021/11/29
Remark	For the "blank" column without any data means no relative information is found.