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1. INFORMATION OF THE ITEM AND MANUFACTURER

Product name : COG IC

Manufacturer/supplier : Sitronix Technology Corp.

Address : 11F-1, No.5, Taiyuan 1st St., Jhubei City, Hsinchu County 302, Taiwan

Emergency telephone No / Fax : 03-5526500 / 03-5526501

2. COMPONENT IDENTIFICATION

PURE SUBSTANCES:

ELEMENT	CAS No.	CONTENT(% Weight)
Silicon(Si)	7440-21-3	99.4626%
Aluminum(Al)	7429-90-5	0.1994%
Copper(Cu)	7440-50-8	0.0010%
Titanium(Ti)	7440-32-6	0.0279%
Phosphorous(P)	7723-14-0	0.0030%
Boron(B)	7440-42-8	0.0050%
Arsenic(As)	7440-38-2	0.0010%
Aurum(Au)	7440-57-5	0.2945%
Tungsten(W)	7440-33-7	0.0053%
Titanium(Ti)	7440-32-6	0.0003%

COMPOUND SUBSTANCES:

Chemical properties: NO

English name of elements Contained in Hazardous Substances:	Concentration / Concentration Range(%)	Classification and Draw of Hazardous Substances
No	No	No

3. HAZARDOUS SUBSTANCES IDENTIFICATION

Potential Hazardous Effects	Hazardous Effect on Health: NO
	Environment Impact: NO

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	Physical & Chemical Hazardous: NO
	Special Damages / Impacts: NO
Main Symptoms: NO	
Classification of Hazardous Substances: NO	

4.FIRST AID

Inhalation : NO
Contact with skin : Flush with water
Contact with eyes : Flush with water
Ingestion : NO

5.FIRE-FIGHTING MEASURES

Extinguishing media:NA
Unsuitable extinguishing media: NA
Specifics hazards: NA
Protection measure: NA

6.ACCIDENTAL RELEASE MEASURES

Personal precautions: NA
Environmental precautions: NA
Methods for cleaning up: Use dustless method (vacuum) and place into closable container for disposal, or flush with water.

7.HANDLING AND STORAGE

Handling: NA
Storage: 1.Product is vacuum sealed in Aluminum bag : Temperature : <27 deg C Humidity : 45~65% RH) 2.Product is opened : Temperature : <27 deg C Humidity : 45~65% RH) Floating particle density : <5000 pcs/ft^3

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8.PRECAUTION FOR EXPOSURE

Technical measures: TLV: NA
Personal: NA
Respiratory: Use NIOSH approved dust respirator
Hands: Impervious gloves
Eyes: Safety or chemical tight goggles
Skin and body: NA

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid	Color: Iron gray
pH value: NA	Odor: None
Melting point: NA	Boiling point / range : 2230 °C
Auto ignition temperature: NA	Flash point: NA °F / NA °C
Vapor pressure (air=1) :NA	Explosion limits: NA
Relative vapor density: NA	Solubility in water: Insoluble in water
Density: 2.2 (specific gravity)	Evaporation: NA

10.STABILITY AND REACTIVITY

Stability: Stability
Conditions to avoid: Contact with powerful oxidizing agents such as Fluorine, Chlorine Trifluoride, Oxygen Difluoride, may cause fires.
Materials to avoid: Strong oxidizing agents.
Hazardous decomposition products: Silicon will dissolve in Hydrofluoric acid and produce a corrosive gas-Silicon Tetrafluoride.

11.TOXICOLOGICAL INFORMATION

Acute toxicity: NA
Locals effects: NA
Irritation: NA
Corrosiveness of skin: NA

12.ECOLOGICAL INFORMATION

Resolvability: NA

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Stockpiling: NA

13.DISPOSAL CONSIDERATIONS

Waste disposal: Landfill or recycle in accordance with local pollution regulation.

Caution: NA

14.TRANSPORTATION INFORMATION

Transportation information: NA

15.LAW & REGULATION INFORMATION

Fire fighting law: NA

16.OTHER INFORMATION

References	NA
Department	Outsourcing & Material Control Department
Title	Deputy Project Manager
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