

Safety Data Sheet



1. IDENTIFICATION OF THE SUBSTANCE

Product name :	Product Wafer TS18/16
Catalogue No :	NA
Manufacturer/supplier :	Tower Partners Semiconductor Co., Ltd. (TPSCo)
Address :	800 Higashiyama, Uozu City, Toyama 937-8585 Japan
Emergency telephone No / Fax :	+81-765-22-5521
Ver.:	1.5
Date:	July.10.2023

2.COMPOSITION/INFORMATION ON INGREDIENT

ELEMENT	CAS NUMBER	CONTENT
Silicon	7440-21-3	>99.0 %
Arsenic (As)	7440-38-2	<0.0002 %
Boron (B)	7440-42-8	<0.0002 %
Phosphorus (P)	7723-14-0	<0.0002 %
Antimony (Sb)	7440-36-0	<0.0002 %
Aluminum (Al)	7429-90-5	<0.5 %
Titanium (Ti)	7440-32-6	<0.2 %
Copper (Cu)	7440-50-8	<0.003 %
Tungsten (W)	7440-33-7	<0.1 %
Cobalt (Co)	7440-48-4	<0.005 %

3.HAZARDS IDENTIFICATION

Principal hazards :	NA
Environments effect :	NA
Physical and chemical hazards :	NA
Specifics hazards :	NA
Principal symptoms :	NA
Hazard class :	NA

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4. FIRST AID MEASURES

Inhalation :	NA
Contact with skin :	Flush with water
Contact with eyes :	Flush with water
Ingestion :	NA

5. FIRE-FIGHTING MEASURES

Extinguishing media :	NA
Unsuitable extinguishing media :	NA
Specific hazards :	NA
Protection measures :	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 :	NA

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Technical measures :	No information
Personal :	NA
Respiratory :	Dust mask.
Hands :	Impervious gloves
Eyes :	Safety or chemical tight goggles
Skin and body :	NA

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid	Color : Iron grey
pH value : NA	Odor : None
Melting point : NA	Boiling point / range : 2355°C
Auto ignition temperature : NA	Flash point : NA ℉ NA °C
Vapor pressure (air=1) : NA	Explosion limits : NA
Relative vapor density : NA	Solubility in water : Insoluble in water
density : 2.33 (specific gravity)	evaporation : NA

10. STABILITY AND REACTIVITY

Stability : Stable
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
stockpiling :	NA

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13. DISPOSAL CONSIDERATIONS

Waste disposal :	Landfill or recycle in accordance with local regulations for the waste.
caution :	NA

14. TRANSPORTATION INFORMATION

Transportation information :	NA
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15. REGULATORY INFORMATION

Fire fighting law :	NA
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16. OTHER INFORMATION

other information :	NA
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