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.:	**1.8**
Date:	**July.28.2026**

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**

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
Specifics 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℃
Auto ignition temperature：NA	Flash point：NA ℉ NA ℃
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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

Transportation information：	NA

15. REGULATORY INFORMATION

Fire fighting law：	NA

16. OTHER INFORMATION

other information：	NA