

# Safety Data Sheet



## 1. IDENTIFICATION OF THE SUBSTANCE

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Product name :                 | Product Wafer RF300mm                             |
| 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.:                          | 1.6                                               |
| Date:                          | July.28.2025                                      |

## 2.COMPOSITION/INFORMATION ON INGREDIENT

| ELEMENT        | CAS NUMBER | CONTENT   |
|----------------|------------|-----------|
| Silicon        | 7440-21-3  | >99.5 %   |
| Arsenic (As)   | 7440-38-2  | <0.0002 % |
| Boron (B)      | 7440-42-8  | <0.0002 % |
| Phosphorus (P) | 7723-14-0  | <0.0002%  |
| Tungsten (W)   | 7440-33-7  | <0.05 %   |
| Tantalum (Ta)  | 7440-25-7  | <0.1 %    |
| Aluminum (Al)  | 7429-90-5  | <0.1 %    |
| Copper (Cu)    | 7440-50-8  | <0.2 %    |

## 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 |

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|                     |                  |
|---------------------|------------------|
| 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 °F 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 |

## 13. DISPOSAL CONSIDERATIONS

|                  |                                                                         |
|------------------|-------------------------------------------------------------------------|
| Waste disposal : | Landfill or recycle in accordance with local regulations for the waste. |
|------------------|-------------------------------------------------------------------------|

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|           |    |
|-----------|----|
| caution : | NA |
|-----------|----|

**14. TRANSPORTATION INFORMATION**

|                              |    |
|------------------------------|----|
| Transportation information : | NA |
|------------------------------|----|

**15. REGULATORY INFORMATION**

|                     |    |
|---------------------|----|
| Fire fighting law : | NA |
|---------------------|----|

**16. OTHER INFORMATION**

|                     |    |
|---------------------|----|
| other information : | NA |
|---------------------|----|