

Safety Data Sheet



1. IDENTIFICATION OF THE SUBSTANCE

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|--------------------------------|---|
| 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.: | 1.5 |
| Date: | July.10.2024 |

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

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|---------------------------------|----|
| 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

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

6. ACCIDENTAL RELEASE MEASURES

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| 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

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| Handling : | NA |
| Storage : | NA |

8. EXPOSURE CONTROL / PERSONAL PROTECTION

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|----------------------|----------------------------------|
| 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

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| 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

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

12. ECOLOGICAL INFORMATION

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|-----------------|----|
| Resolvability : | NA |
| stockpiling : | NA |

13. DISPOSAL CONSIDERATIONS

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

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| Transportation information : | NA |
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15. REGULATORY INFORMATION

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| Fire fighting law : | NA |
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16. OTHER INFORMATION

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