



Material Safety Data Sheet

1.IDENTIFICATION OF THE SUBSTANCE

Product name :	Product Wafer
Catalogue No :	NA
Manufacturer/supplier :	Tower Semiconductor LTD.
Address :	POB. 619 Migdal Haemek, 23105 Israel
Emergency telephone No / Fax :	+97246506611
Revision :	1.0

2.COMPOSITION/INFORMATION ON INGREDIENT

ELEMENT	CAS NUMBER	CONTENT
Silicon	7440-21-3	>95 %
Arsenic (As)	7440-38-2	<2 ppm
Boron (B)	7440-42-8	<2 ppm
Phosphorus (P)	7723-14-0	<2 ppm
Indium (In)	7440-74-6	<2 ppm
Aluminum (Al)	7429-90-5	<5000 ppm
Titanium (Ti)	7440-32-6	<2000 ppm
Fluorine (F)	7782-41-4	<2 ppm
Copper (Cu)	7440-50-8	<30 ppm
Tungsten (W)	7440-33-7	<1000 ppm
Cobalt (Co)	7440-48-4	<50 ppm

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 : TLV: 0.1 mg/m ³	
Personal :	NA
Respiratory :	Use NIOSH approved dust respirator.
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 : 2230°C
Auto ignition temperature : NA	Flash point : NA °F NA °C
Vapor pressure (air=1) : NA	Explosion limits : NA
Relative vapour density : NA	Solubility in water : Insoluble in water
density : 2.2 (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 pollution regulation.
caution :	NA



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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
