MATERIAL SAFETY DATA SHEET

GALLIUM NITRIDE WAFER  
Stock #: NS6130-10-1262  

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY  
Product Name : Gallium Nitride Wafer  
Use : Research and Development  
Address : Nanoshel LLC  
3422 Old Capitol Suit 1305  
Willmington DE – 19808  
United States  
Emergency : +1.532.253.9878  

2. COMPOSITION & INFORMATION ON INGREDIENTS  
Chemical Characterisation : GaN  
Hazardous Ingredients : Nil  

3. HAZARD IDENTIFICATION  
Toxicity : No Data Available  
Eye Contact : Dust may cause irritation  

4. FIRST AID MEASURES  
Skin : Wash skin with soap and copious amounts of water  
Eyes : Immediated and prolonged irritation treat with copious amounts of water.
Ingestion: Wash out mouth with water provided person is conscious.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

5. FIREFIGHTING MEASURES

Extinguishing Data: Water Spray
Unsuitable Extinguishing Data: Carbon Dioxide, Dry Chemical Powder, Polymer Foam

Unusual Firefighting Hazards: Capable of creating a dust explosion
Special Firefighting Procedures: Use normal procedures which include wearing self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear respirator, chemical safety goggles, rubber boots and gloves.
Precautions to the Environment: Sweep up, place in a bag and hold for waste disposal.
Cleanup Procedures: Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling Precautions: Chemical Safety Goggles. Compatible with Chemical-resistant Gloves
Storage: Store in a cool dry place.
Unusable Packaging Materials: Wash thoroughly after handling. Irritating dust, Keep tightly closed

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls
Personal Protective Equipment
Respiratory: Self-contained breathing apparatus
Hand: Chemical-resistant Gloves
Eye: Avoid contact with eyes
Skin: Wash thoroughly after handling
# 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>N/A</td>
</tr>
<tr>
<td>Colour</td>
<td>N/A</td>
</tr>
<tr>
<td>Odour</td>
<td>No Odour</td>
</tr>
</tbody>
</table>

**Safety Related Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FlashPoint</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
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</tbody>
</table>

# 10. STABILITY AND REACTIVITY

**Stability**

- Completely Stable

**Reactivity**

- Non Reactive/ Non Soluble

# 11. TOXICOLOGICAL INFORMATION

**Possible Health Effects**

<table>
<thead>
<tr>
<th>Body Part</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>No effect</td>
</tr>
<tr>
<td>Eyes</td>
<td>Irritation</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No Chocking Hazard</td>
</tr>
</tbody>
</table>

# 12. ECOLOGICAL IMPACT

Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

No Negative Ecological Impact, Data not Available

# 13. WASTE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator, equipped with an afterburner and scrubber

# 14. TRANSPORT INFORMATION (UN ORNEK OLARAK VERİLMİŞTİR)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>HS Code</td>
<td>38180090</td>
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<tr>
<td>CAS</td>
<td>25617-97-4</td>
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<tr>
<td>Proper Shipping Name</td>
<td>Gallium Nitride wafer</td>
</tr>
<tr>
<td>Air Transport (ICAO &amp; IATA)</td>
<td>Innovative Materials</td>
</tr>
<tr>
<td>Class</td>
<td>Non Hazardeous</td>
</tr>
<tr>
<td>Packing group</td>
<td>Normal Packing</td>
</tr>
</tbody>
</table>
15. OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Gallium Nitride Wafer

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):
- R36- Irritating to eyes
- S2- Keep out of the reach of children
- S46- If swallowed, seek medical advice immediately & show container or label

HMIS (U.S.A.):
- Health Hazard: 1
- Fire Hazard: 0
- Reactivity: 0
- Personal Protection: E

National Fire Protection Association (U.S.A.):
- Health: 1
- Flammability: 0
- Reactivity: 0
- Specific hazard:

Protective Equipment:
- Gloves.
- Lab coat.
- Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Splash goggles.

16. OTHER INFORMATION

References: Not available
Other Special Considerations: Not available