MATERIAL SAFETY DATA SHEET

GALLIUM METAL LIQUID
Stock #: NS6130-01-184

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

2. COMPOSITION & INFORMATION ON INGREDIENTS
Chemical Characterisation  : Ga
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     : Immediate 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
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**
- Form: Liquid
- Colour: Blue-White
- Odour: No Odour

**Safety Related Information**
- Flash Point: N/A
- Boiling Point: 3000.0 °C
- Melting Point: 29.78 °C
- pH: N/A

10. STABILITY AND REACTIVITY

- Stability: Completely Stable
- Reactivity: Non Reactive/ Non Soluble

11. TOXICOLOGICAL INFORMATION

- **Possible Health Effects**
  - Skin: No effect
  - Eyes: Irritation
  - Inhalation: No Chocking Hazard
  - Toxicity: Non-Toxic

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)

- **HS Code**: 81129900
- **CAS**: 7440-55-3
- **Proper Shipping Name**: Gallium Liquid
- **Air Transport (ICAO & IATA)**: Metal Nanopowder
- **Class**: Non Hazardous
- **Packing group**: Normal Packing
- **Transport information**: Not regulated for IATA (AIR)
15. OTHER REGULATORY INFORMATION

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

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