1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name    :  Niobium Dispersion
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  :  Nb
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.
Unused 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**
- Form: Liquid
- Colour: Grey Metallic
- Odour: No Odour

**Safety Related Information**
- FlashPoint: N/A
- Boiling Point: N/A
- Melting Point: N/A
- 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

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: 28259090
- CAS: 7440-03-1
- Proper Shipping Name: Niobium Dispersion
- Air Transport (ICAO & IATA): Nanopowder Dispersion
- Class: Non Hazardous
- Packing group: Normal Packing
15. OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Niobium Dispersion

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