MATERIAL SAFETY DATA SHEET

MAGNESIUM OXIDE NANOPARTICLES
Stock #: NS6130-03-330

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name : Magnesium Oxide Nanoparticles
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 : MgO
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...
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**: Powder
- **Colour**: White
- **Odour**: No Odour

**Safety Related Information**
- **FlashPoint**: N/A
- **Boiling Point**: 3600 °C
- **Melting Point**: 2852 °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**: 28161010
- **CAS**: 1309-48-4
- **Proper Shipping Name**: Magnesium Oxide Nanoparticles
- **Air Transport (ICAO & IATA)**: Oxide 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: Magnesium Oxide Nanoparticles

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