1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name    :  Silver 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  :  Ag\textsubscript{2}O
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: Powder
- Colour: Gray/black/brown
- Odour: No Odour

**Safety Related Information**
- FlashPoint: N/A
- Boiling Point: N/A
- Melting Point: 280 °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)

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15. OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Silver 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