1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: Calcium Carbonate Nanopowder
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: CaCO₃
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 : White
- Odour : No Odour

**Safety Related Information**
- Flash Point : N/A
- Boiling Point : N/A
- Melting Point : 825°C
- pH : 8 to 9

**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 : 28365000
- CAS : 471-34-1
- Proper Shipping Name : Calcium Carbonate
- Air Transport (ICAO & IATA) : Compound 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: Calcium Carbonate Nanopowder

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