MATERIAL SAFETY DATA SHEET

CALCIUM CARBONATE NANOPOWDER
Stock #: NS6130-02-238

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
<table>
<thead>
<tr>
<th><strong>Appearance</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Odour</td>
<td>No Odour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Safety Related Information</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FlashPoint</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>825°C</td>
</tr>
<tr>
<td>pH</td>
<td>8 to 9</td>
</tr>
</tbody>
</table>

10. **STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Stability</th>
<th>Completely Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Non Reactive/ Non Soluble</td>
</tr>
</tbody>
</table>

11. **TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Possible Health Effects</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>No effect</td>
</tr>
<tr>
<td>Eyes</td>
<td>Irritation</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No Chocking Hazard</td>
</tr>
<tr>
<td>Toxicity</td>
<td>Non-Toxic</td>
</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th>HS Code</th>
<th>28365000</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS</td>
<td>471-34-1</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Calcium Carbonate</td>
</tr>
<tr>
<td>Air Transport (ICAO &amp; IATA)</td>
<td>Compound Nanopowder</td>
</tr>
<tr>
<td>Class</td>
<td>Non Hazardeous</td>
</tr>
<tr>
<td>Packing group</td>
<td>Normal Packing</td>
</tr>
<tr>
<td>Transport information</td>
<td>Not regulated for IATA (AIR)</td>
</tr>
</tbody>
</table>
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